

Natural Gas Monthly

September 2000

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Natural Gas Publications and Databases Available Electronically

All of the natural gas publications are available electronically on the EIA website. Certain natural gas data are also provided in database formats on the web site. The table below is a guide to the major natural gas products.

Product	Format	Contents
Publications		
<i>Natural Gas Weekly Market Update</i>	PDF	Analysis of current price, supply and storage data
<i>Natural Gas Monthly</i>	PDF	Monthly supply, disposition, and price data
<i>Natural Gas Annual</i>	PDF	Annual supply, disposition, and price data
<i>Historical Natural Gas Annual</i>	PDF	Historical annual supply, disposition, and price data from 1930 - 1997
<i>Issues and Trends</i>	PDF	Comprehensive analysis of growth and change in the natural gas industry
<i>U.S. Crude Oil, Natural Gas and Natural Gas Liquids Reserves</i>	PDF	Proved reserves in the United States
<i>Oil and Gas Field Code Master List</i>	PDF	Listing of U.S. oil and gas field names
Databases		
Monthly Data	TXT	Tables 1-6, and 9 from the <i>Natural Gas Monthly</i>
Historical Monthly Data	EXE	Consumption and price data, 1984-1994; 1995-present
Annual Data	TXT	Tables from the <i>Natural Gas Annual</i>
Historical Annual Data	TXT	Tables from the <i>Historical Natural Gas Annual</i>
Field Codes	EXE	Oil & Gas Field Code Master List
Applications		
EIA-176 Query System	EXE	Company filings to the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"
EIAGIS	EXE	Periodic updates for users of the EIAGIS-NG Geographic Information System

PDF files are image files that can be viewed through Adobe Acrobat.

TXT files are ASCII text. They may be replications of published tables, including table titles, column and row identification, or they may be flat files with a minimum of content description suitable for input to spreadsheets or other programs.

EXE files are executables that can be downloaded then opened. Databases are distributed as self-executing Zipped archives which spawn numerous data files and documentation. Applications are distributed as self-executing Zipped archives which initially generate numerous files and then form an application which is installed on the user's PC.

Preface

The *Natural Gas Monthly (NGM)* is prepared in the Natural Gas Division, Office of Oil and Gas, Energy Information Administration (EIA), U.S. Department of Energy (DOE), under the direction of Joan E. Heinkel.

General questions and comments regarding the *NGM* may be referred to Ann M. Ducca (202) 586-6137. Specific technical questions may be referred to the appropriate persons listed in Appendix E.

The *NGM* highlights activities, events, and analyses of interest to public and private sector organizations associated with the natural gas industry. Volume and price data are presented each month for natural gas production, distribution, consumption, and interstate pipeline activities. Producer-related activities and underground storage data are also reported. From time to time, the *NGM* features articles designed to assist readers in using and interpreting natural gas information.

The data in this publication are collected on surveys conducted by the EIA to fulfill its responsibilities for gathering and reporting energy data. Some of the data are collected under the authority of the Federal Energy Regulatory Commission (FERC), an independent commission within the DOE, which has jurisdiction primarily in the regulation of electric utilities and the interstate natural gas industry. Geographic coverage is the 50 States and the District of Columbia.

Explanatory Notes supplement the information found in tables of the report. A description of the data collection surveys that support the *NGM* is provided in the Data Sources section. A glossary of the terms used in this report is also provided to assist readers in understanding the data presented in this publication.

All natural gas volumes are reported at a pressure base of 14.73 pounds per square inch absolute (psia) and at 60 degrees Fahrenheit. Cubic feet are converted to cubic meters by applying a factor of 0.02831685.

Common Abbreviations Used in the Natural Gas Monthly

AGA	American Gas Association	IOGCC	Interstate Oil and Gas Compact Commission
Bbl	Barrels	LNG	Liquefied Natural Gas
BLS	Bureau of Labor Statistics, U.S. Department of Labor	Mcf	Thousand Cubic Feet
Bcf	Billion Cubic Feet	MMBtu	Million British Thermal Units
BOM	Bureau of Mines, U.S. Department of the Interior	MMcf	Million Cubic Feet
Btu	British Thermal Unit	MMS	United States Minerals Management Service, U.S. Department of the Interior
DOE	U.S. Department of Energy	NGL	Natural Gas Liquids
DOI	U.S. Department of the Interior	OCS	Outer Continental Shelf
EIA	Energy Information Administration, U.S. Department of Energy	STIFS	Short-Term Integrated Forecasting System
FERC	Federal Energy Regulatory Commission	STEo	Short Term Energy Outlook
		Tcf	Trillion Cubic Feet

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Highlights

Overview

This issue of the *Natural Gas Monthly* contains estimates of natural gas data through September 2000 for many data series at the national level. National-level natural gas prices are available through May, June, or August, depending on the price series. Also, State-level data are generally available through June 2000.

Highlights of the most recent data estimates contained in this issue are:

- Natural gas production levels in 2000 remain near 1999 levels.
- The amount of working gas in underground storage at the end of September 2000, 1 month before the beginning of the heating season, is estimated to be 2,546 billion cubic feet, 8 percent lower than the average at the end of September during 1995-1999.
- Total consumption of natural gas through September 2000 is estimated to be 16,410 billion cubic feet or 59.9 billion cubic feet per day, about 2 percent above the daily rate for the comparable period of 1999. The daily average consumption increased in the commercial, industrial, and electric utility sectors, but declined in the residential sector.
- The average natural gas wellhead price for August 2000 is estimated to be \$3.41 per thousand cubic feet, substantially greater than the monthly prices seen during 1999, which were well below \$3.00 per thousand cubic feet.

Supply

Dry natural gas production for January through September 2000 is estimated to be 14,019 billion cubic feet, giving an average daily rate of 51.2 billion cubic feet. In the comparable period of 1999, the average daily rate was virtually the same. September dry gas production is estimated to be 1,543 billion cubic feet or 51.4 billion

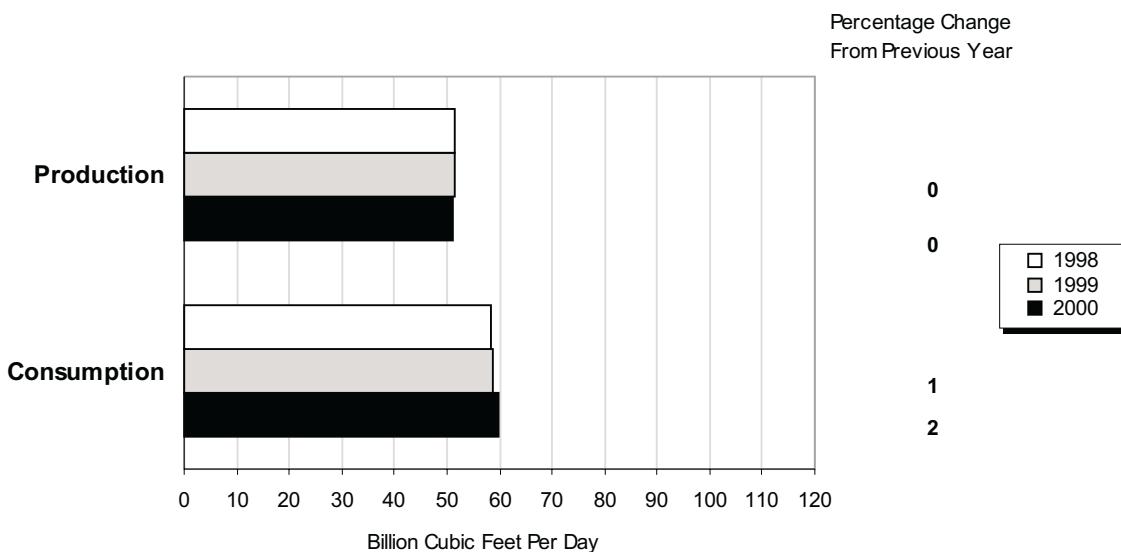
cubic feet per day, 1 percent above the daily rate during September 1999.

Net imports from January through September 2000 are estimated to be 2,558 billion cubic feet or 9.3 billion cubic feet per day. They are less than 1 percent greater than for the same period in 1999 and 14 percent greater than in 1998. Pipeline imports of Canadian gas from January through July 2000 were 1,991 billion cubic feet, 4 percent greater than last year. Pipeline expansion projects recently brought on-line such as the Sable Island Offshore Energy Project contributed to the increase. In contrast, pipeline imports from Mexico during the same period fell substantially from year-earlier levels. Imports of Mexican gas declined from 29.9 billion cubic feet for January through July 1999 to 4.7 billion cubic feet for the same period in 2000, an 84-percent decrease. In addition, there have been no recorded pipeline imports from Mexico for the months of May, June, or July 2000. Liquefied natural gas (LNG) imports from Algeria for the month of July 2000 are estimated to be 5 billion cubic feet, double their June level. LNG imports from Qatar also nearly doubled in July from the previous month, while imports from Nigeria and Trinidad in July remained near June levels.

U.S. exports to Canada are estimated to be 41 billion cubic feet for the period of January through July 2000, 23 billion cubic feet more than in the same period last year. For January through July, U.S. exports to Mexico have increased by 19 billion cubic feet or 52 percent over the same period last year. This increase could be a result of the San Diego Gas and Electric/SoCal Project Vecinos, which went into service in the first quarter of 2000. It sends an estimated 300 million cubic feet per day of gas to Mexico.

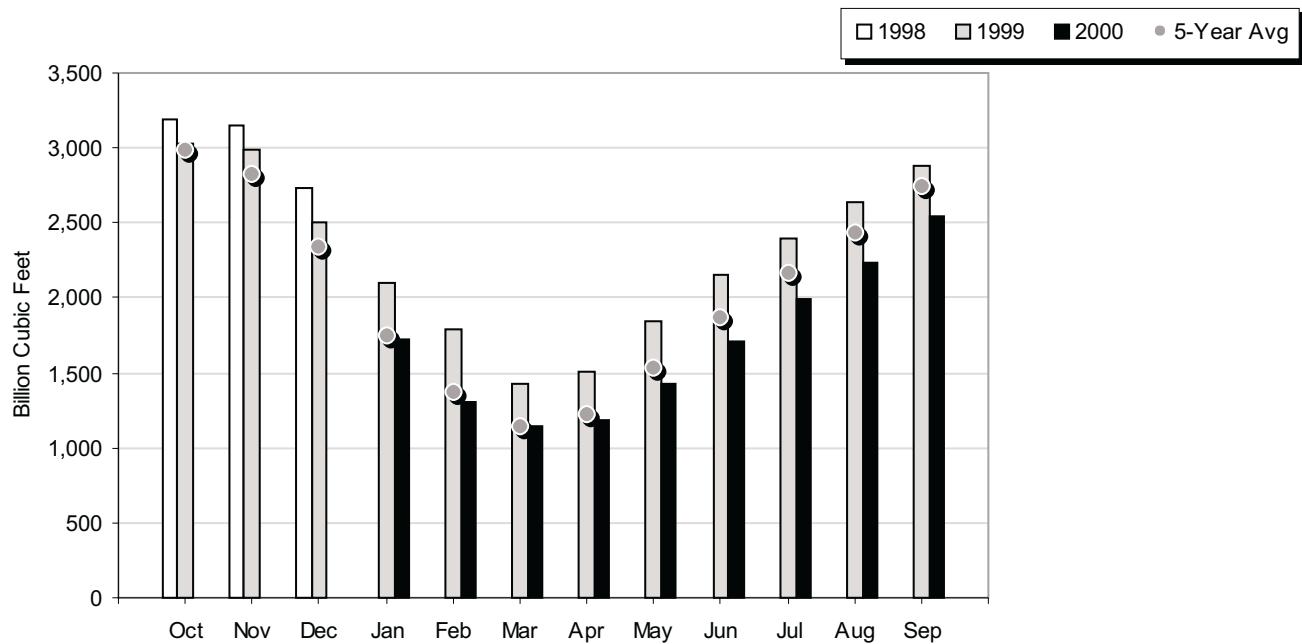
Highlights

Figure HI1. Average Daily Rate of Natural Gas Production and Consumption, January-September, 1998-2000



Source: Table 2.

Figure HI2. Working Gas in Underground Storage in the United States, 1998-2000



Note: The 5-year average is calculated using the latest available monthly data. For example, the December average is calculated from December storage levels for 1995 to 1999 while the January average is calculated from January levels for 1996 to 2000. Data are reported as of the end of the month, thus October data represent the beginning of the heating season.

Source: Form EIA-191, "Underground Natural Gas Storage Report," Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition," and Short-Term Integrated Forecasting System.

The amount of working gas in underground storage facilities at the end of September 2000 is estimated to be 2,546 billion cubic feet. Working gas levels have been running lower than last year throughout the refill season, which began in April, putting upward pressure on natural gas prices during the summer. Working gas at the end of September 2000 is 8 percent less than the average for the previous 5 years. Net injections are estimated to be 310 billion cubic feet during September 2000, equal to the average in September for the previous 5 years and 29 percent more than during August 2000.

End-Use Consumption

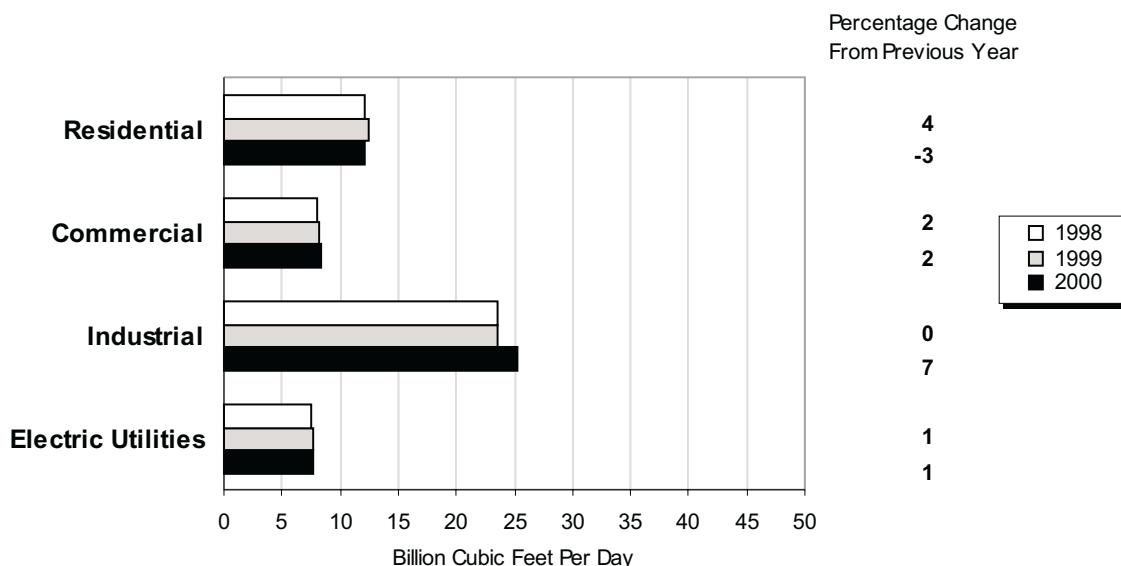
Total consumption of natural gas through September 2000 is estimated to be 16,410 billion cubic feet or 59.9 billion cubic feet per day, about 2 percent above the daily rate for the comparable period of 1999 (Table 3). The daily average consumption increased substantially in the industrial sector, by 7 percent, and also rose in the commercial and electric utility sectors, but by more modest rates. It declined in the residential sector by 2 percent (Figure HI3).

Cumulatively through September 2000, an estimated 3,337 billion cubic feet was consumed by residential users, an average rate of 12.2 billion cubic feet per day

or 2 percent below the rate of 12.5 billion cubic feet per day in 1999. Residential consumption declined in every month of 2000, except February when the average daily rate was 9 percent higher than in February 1999. The commercial sector saw an increase in consumption. From January through September 2000, the average daily rate of consumption was 8.4 billion cubic feet, 2 percent higher than in 1999. Large monthly increases were seen for commercial consumption in May and June when 2000 levels were 16 and 17 percent, respectively, above 1999 levels.

The daily rate of natural gas industrial consumption was 25.2 billion cubic feet for January through September 2000 compared with 23.5 billion cubic feet per day during the same period of 1999, an increase of 7 percent. Gas consumption in this sector rose in each month compared with the same month of 1999, except in September when it is estimated to be virtually the same in both years. The increase in industrial consumption may reflect increases in gas used in manufacturing processes as well as gas used by nonutility generators. As the restructuring of the electric utility industry proceeds, many previously regulated generating plants have been sold to entities that are not regulated utilities. These facilities are classified as nonutility generators, and

Figure HI3. Average Daily Rate of Natural Gas Deliveries to Consumers, January-September, 1998-2000



Note: Electric utilities reflect deliveries for January-June.

Source: Table 3.

Highlights

the gas that they consume is reported as industrial rather than electric utility consumption.

Data for natural gas consumption by electric utilities are available through June 2000. Cumulative consumption in this sector was 5.1 billion cubic feet per day, 2 percent above the daily rate of 5.0 billion cubic feet during the same period of 1999. This rise in consumption occurred despite substantial increases in wellhead prices during 2000 and the reclassification of gas consumption from the electric utility sector to the industrial sector, as described above. Electric utility consumption tends to increase during the summer as the space-heating requirements in the residential and commercial sector are reduced. Electric utility consumption of natural gas is estimated at 306 billion cubic feet in June 2000, nearly the same as in May 2000, but substantially more than the 214 billion cubic feet consumed in April 2000.

Prices

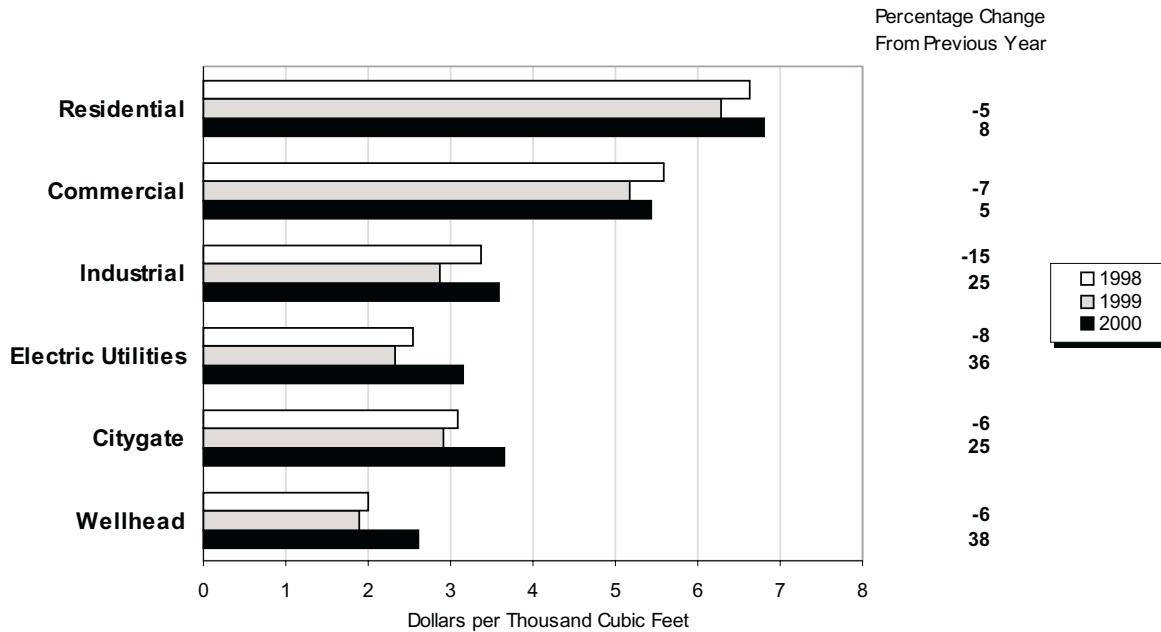
The average natural gas wellhead price for August 2000 is estimated to be \$3.41 per thousand cubic feet,

\$0.08 (2 percent) below that of July 2000 (Table 4). This is the second month in a row that the average wellhead price has declined; however, the August 2000 price is substantially greater than the monthly prices during 1999, which were well below \$3.00 per thousand cubic feet.

Prices on the near-month futures contract at the Henry Hub continued to set records on the New York Mercantile Exchange during September. Daily settlement prices on the near-month contract (for October delivery) exceeded \$5.00 per million Btu for the first time since the futures market opened in April 1990 (Figure HI5). The October contract closed at \$5.312 per million Btu on September 27. Continued concern about levels of working gas in storage 1 month before the beginning of the heating season on November 1 have contributed to the continued increase in futures prices, despite the increase in net injections into storage during September 2000 compared to the previous month.

The most recent estimates for natural gas prices¹ paid by end users are all higher than for the prior month.

Figure HI4. Average Delivered and Wellhead Natural Gas Prices, January-June, 1998-2000

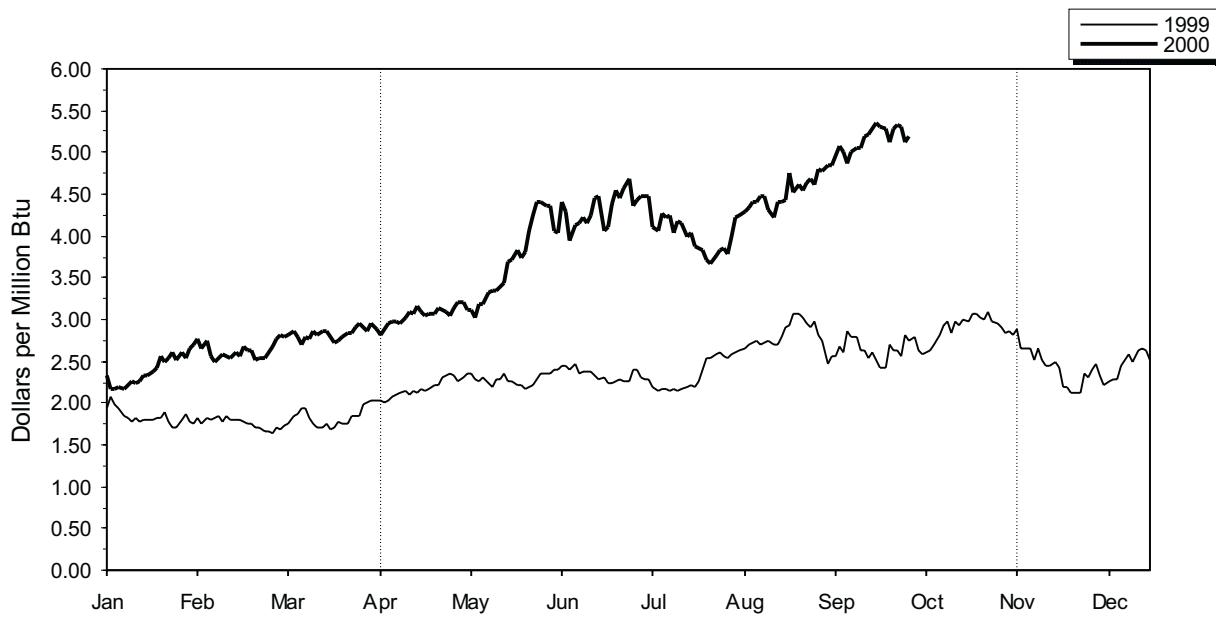


Note: Commercial and industrial average prices reflect onsystem sales only. The reporting of wellhead prices is 2 months ahead of the reporting of city gate, residential, commercial, and industrial prices. The reporting of electric utility prices is 1 month behind the reporting of city gate, residential, commercial, and industrial prices.

Source: Table 4.

1 End-use prices in the residential, commercial, and industrial sectors are for onsystem gas sales only. While monthly onsystem sales are nearly 100 percent of residential deliveries, in 2000 they have averaged 68 percent of commercial deliveries and only 18 percent of industrial deliveries (Table 4).

Figure HI5. Daily Futures Settlement Prices at the Henry Hub



Note: The futures price is for the near-month contract, that is, for the next contract to terminate trading.

Contracts are traded on the New York Mercantile Exchange. April 1 is the beginning of the natural gas storage refill season. November 1 is the beginning of the heating season.

Source: Commodity Futures Trading Commission, Division of Economic Analysis.

In June 2000, residential users paid \$9.05 per thousand cubic feet for natural gas, \$1.11 (14 percent) more than in May 2000. The average price paid by the residential sector typically increases during the summer, largely as the result of the type of service residential users require and the strong seasonal pattern in monthly residential consumption. To provide high-quality, on-demand (firm) service to residential users, a demand charge to reserve pipeline transportation capacity is paid. The demand charge is a constant dollar amount throughout the year. Besides the demand charge, the total residential price includes charges for distribution and for the natural gas commodity, both of which may vary throughout the year. The primary use of natural gas in the residential sector is for space heating, thus usage declines during the summer (Table 3). Because the demand charge is a significant portion of the final price and is constant each month, when consumption goes down, the average price *per unit of gas consumed* increases. Thus average residential natural gas prices always rise during the summer as consumption declines.

In the commercial sector, the average price paid for natural gas in June 2000 is estimated to be \$5.63 per thousand cubic feet. This is \$0.31 (6 percent) higher than in May 2000. For commercial customers, the largest use of natural gas is also for space heating, and many customers require firm service. Thus, on average, commercial prices for natural gas also tend to rise during the summer.

In the industrial and electric utility sectors, much of the natural gas is provided on an interruptible basis and there is no demand charge. Thus, changes in the wellhead price have a more direct impact on prices paid by these users than prices paid by residential and commercial users. In the industrial sector, the average price paid for natural gas in June 2000 is estimated to be \$4.26 per thousand cubic feet, \$0.55 (15 percent) higher than in May 2000. The estimated average wellhead price in June 2000 was \$3.58 per thousand cubic feet, \$0.82 (30 percent) higher than in May 2000. For electric utilities, price estimates are only available through May 2000. The May 2000 price is \$3.61 per thousand cubic feet, \$0.39 (12 percent) higher than in April 2000.

Table 1. Summary of Natural Gas Production in the United States, 1994-2000
(Billion Cubic Feet)

Year and Month	Gross Withdrawals	Repressuring	Nonhydrocarbon Gases Removed ^a	Vented and Flared	Marketed Production (Wet)	Extraction Loss ^b	Dry Gas Production ^c
1994 Total	23,581	3,231	412	228	19,710	889	18,821
1995 Total	23,744	3,565	388	284	19,506	908	18,599
1996 Total	24,114	3,511	518	272	19,812	958	18,854
1997 Total	24,213	3,492	599	256	19,866	964	18,902
1998							
January	2,093	307	48	19	1,719	82	1,637
February	1,877	291	49	17	1,520	73	1,448
March	2,081	310	51	20	1,700	81	1,619
April	1,994	284	50	20	1,640	78	1,562
May	2,035	266	47	16	1,705	81	1,624
June	1,975	271	49	21	1,634	78	1,556
July	2,002	265	51	20	1,666	80	1,586
August	2,024	273	53	20	1,678	80	1,598
September	1,874	276	51	20	1,527	73	1,454
October	2,026	297	58	21	1,650	79	1,571
November	1,954	292	52	20	1,591	76	1,515
December	1,988	302	51	20	1,615	77	1,538
Total	23,924	3,433	611	234	19,646	938	18,708
1999							
January	E2,091	E317	E58	E20	E1,696	RE78	RE1,618
February	E1,882	E274	E54	E18	E1,536	RE71	RE1,465
March	E2,080	E307	E59	E21	E1,693	RE78	RE1,615
April	E1,960	E289	E42	E21	E1,608	RE74	RE1,534
May	E1,998	E264	E44	E21	E1,669	RE77	RE1,593
June	E1,963	E279	E43	E21	E1,620	RE75	RE1,546
July	E1,997	E283	E44	E21	E1,649	RE76	RE1,573
August	E1,975	E282	E42	E20	E1,632	RE75	RE1,557
September	E1,925	E262	E43	E22	E1,598	RE74	RE1,525
October	E2,038	E325	E45	E23	E1,644	RE76	RE1,569
November	E1,978	E305	E43	E22	E1,608	RE74	RE1,534
December	E2,067	E341	E45	E23	E1,658	RE76	RE1,582
Total	E23,953	E3,528	E561	E253	E19,611	RE902	RE18,709
2000							
January	RE2,041	RE336	RE42	E20	RE1,644	RE76	RE1,568
February	RE1,935	RE320	RE42	RE22	RE1,550	RE71	RE1,479
March	RE2,070	RE319	RE45	RE24	RE1,682	RE77	RE1,604
April	RE1,933	E284	RE42	E20	RE1,587	RE73	RE1,514
May	RE1,973	RE265	E43	E21	RE1,645	RE76	RE1,569
June	RE1,987	RE289	RE43	E21	E1,634	RE75	RE1,559
July	E2,012	E286	E44	E21	E1,661	E76	E1,585
August(STIFS)	NA	NA	NA	NA	E1,678	E80	E1,598
September(STIFS)	NA	NA	NA	NA	E1,620	E77	E1,543
2000 YTD	NA	NA	NA	NA	E14,700	E681	E14,019
1999 YTD	E17,871	E2,557	E428	E185	E14,701	E676	E14,024
1998 YTD	17,956	2,543	450	174	14,790	706	14,084

^a See Appendix A, Explanatory Note 1, for a discussion of data on Nonhydrocarbon Gases Removed.

^b Extraction loss is only collected on an annual basis. Annually it is between 4 and 5 percent of marketed production. Monthly extraction loss is estimated from monthly marketed production by assuming that the preceding annual percentage remains constant for the next twelve months.

^c Equal to marketed production (wet) minus extraction loss.

^E Estimated Data.

^{RE} Revised Estimated Data.

^{NA} Not Available.

Notes: Data for 1994 through 1998 are final. All other data are preliminary

unless otherwise indicated and contain estimates for selected States (see Table 7). Estimates for the most recent two months are derived from the Short-Term Integrated Forecasting System (STIFS). Geographic coverage is the 50 States and the District of Columbia. Totals may not equal sum of components because of independent rounding.

Sources: 1994-1998: Energy Information Administration (EIA), *Natural Gas Annual 1998*. January 1999 through current month: Form EIA-895, "Monthly Quantity of Natural Gas Report," STIFS, and EIA estimates. See Appendix A, Explanatory Notes 1, 3, and 6, for discussion of computation and estimation procedures and revision policies.

Table 2

Table 2. Supply and Disposition of Dry Natural Gas in the United States, 1994-2000
(Billion Cubic Feet)

Year and Month	Dry Gas Production	Supplemental Gaseous Fuels ^a	Net Imports	Net Storage Withdrawals ^b	Balancing Item ^c	Consumption ^d
1994 Total	18,821	111	2,462	-286	-400	20,708
1995 Total	18,599	110	2,687	415	-230	21,581
1996 Total	18,854	109	2,784	2	217	21,967
1997 Total	18,902	103	2,837	24	92	21,959
1998						
January	1,637	11	270	486	-2	2,401
February	1,448	9	240	301	114	2,111
March	1,619	10	244	255	-4	2,123
April	1,562	8	240	-206	102	1,705
May	1,624	7	242	-402	29	1,500
June	1,556	6	230	-336	6	1,462
July	1,586	8	255	-326	49	1,572
August	1,598	8	264	-286	-1	1,583
September	1,454	7	250	-231	-10	1,471
October	1,571	8	253	-269	-81	1,482
November	1,515	10	246	32	-85	1,717
December	1,538	11	259	452	-131	2,129
Total	18,708	102	2,993	-530	-11	21,262
1999						
January	RE1,618	E10	298	623	R-44	R2,505
February	RE1,465	E8	273	333	R26	R2,106
March	RE1,615	E9	286	297	R-72	2,133
April	RE1,534	E8	258	-91	R54	1,763
May	RE1,593	E8	277	-337	R-21	R1,519
June	RE1,546	E6	268	-306	R-89	R1,425
July	RE1,573	RE7	283	-225	R-118	R1,521
August	RE1,557	E8	299	-238	R-50	R1,575
September	RE1,525	E7	290	-310	R-43	R1,467
October	RE1,569	E8	294	-148	R-144	R1,578
November	RE1,534	E8	287	30	R-128	R1,731
December	RE1,582	RE9	308	514	R-209	R2,205
Total	RE18,709	RE96	3,422	141	R-839	R21,529
2000						
January	RE1,568	E10	307	780	R-160	R2,506
February	RE1,479	E9	279	454	R102	R2,323
March	RE1,604	E8	287	162	R-13	R2,048
April	RE1,514	E7	R277	-36	R9	1,772
May	RE1,569	E7	R268	-232	R39	R1,650
June	RE1,559	E6	R279	-272	R-45	1,527
July	E1,585	E8	E275	-290	E-56	1,521
August(STIFS)	E1,598	E8	E295	E-240	E-77	E1,585
September(STIFS)	E1,543	E8	E290	E-310	E-54	E1,478
2000 YTD	E14,019	E72	E2,558	E15	E-254	E16,410
1999 YTD	E14,024	E70	2,533	-255	-358	16,015
1998 YTD	14,084	73	2,235	-745	281	15,928

^a Supplemental gaseous fuels data are only collected on an annual basis except for the Dakota Gasification Inc. coal gasification facility which provides data each month. The ratio of annual supplemental fuels (excluding Dakota Gasification Inc.) to the sum of dry gas production, net imports, and net withdrawals from storage is calculated. This ratio, which varies between .0022 and .0037, is applied to the monthly sum of these three elements. The Dakota Gasification Inc. monthly value is added to the result to produce the monthly supplemental fuels estimate.

^b Monthly and annual data for 1994 through 1998 include underground storage and liquefied natural gas storage. Data for January 1999 forward include underground storage only. See Appendix A, Explanatory Note 7 for discussion of computation procedures.

^c Represents quantities lost and imbalances in data due to differences among data sources. See Appendix A, Explanatory Note 9, for full discussion.

^d Consists of pipeline fuel use, lease and plant fuel use, vehicle fuel, and

deliveries to consuming sectors as shown in Table 3.

R Revised Data.

E Estimated Data.

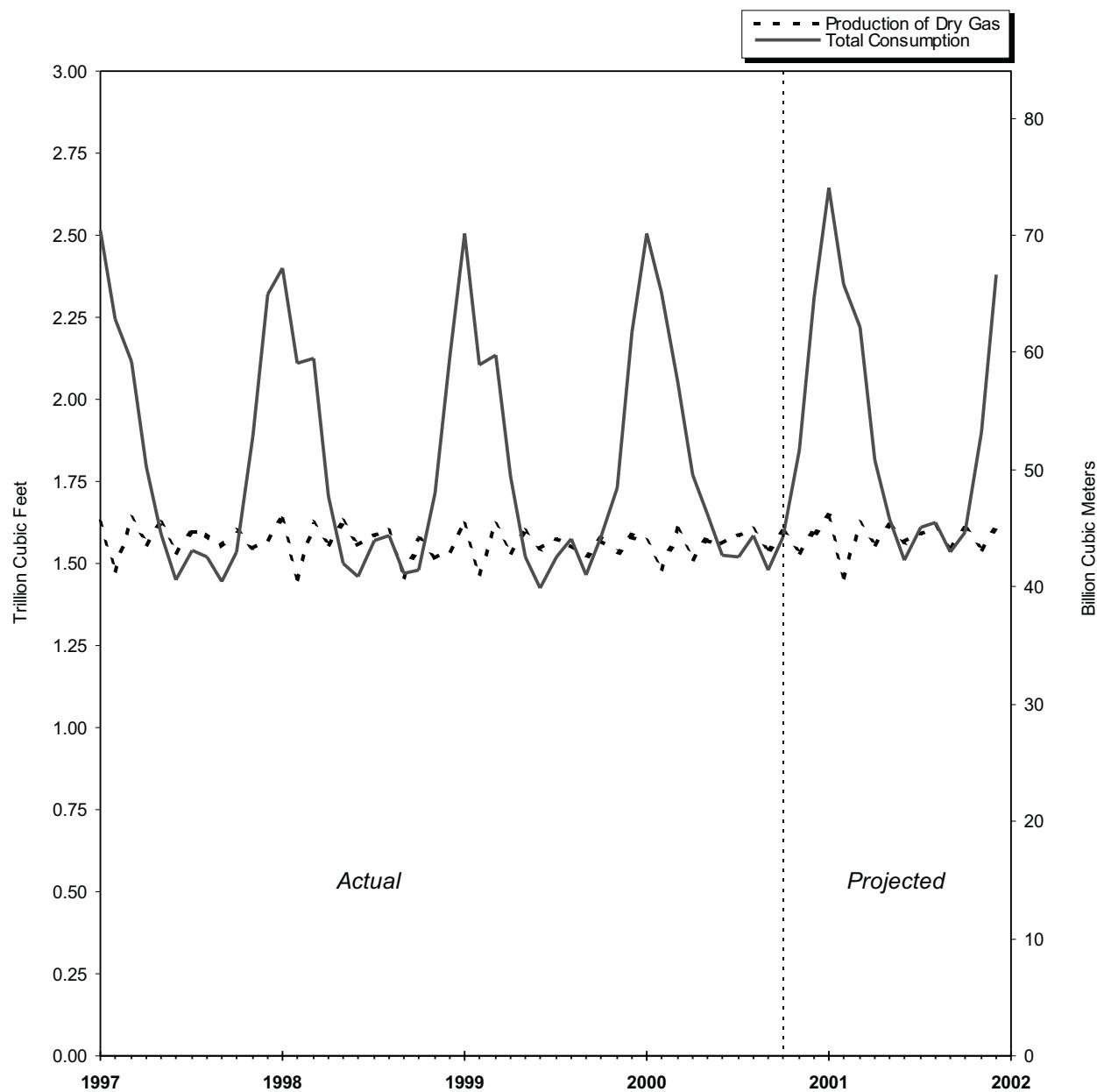
RE Revised Estimated Data.

Notes: Data for 1994 through 1998 are final. All other data are preliminary unless otherwise indicated. Estimates for the most recent two months are derived from the Short-Term Integrated Forecasting System (STIFS). Geographic coverage is the 50 States and the District of Columbia. Totals may not equal sum of components because of independent rounding.

Sources: 1994-1998: Energy Information Administration (EIA), *Natural Gas Annual 1998*. January 1999 through current month: EIA, Form EIA-895, Form EIA-857, Form EIA-191, EIA computations, and estimates, Short-Term Integrated Forecasting System (STIFS) computations, and Office of Fossil Energy, Natural Gas Imports and Exports. See Appendix A for discussion of computation and estimation procedures and revision policies.

Figure 1

Figure 1. Production and Consumption of Natural Gas in the United States, 1997-2001



Sources: 1997 through the current month: Table 2. Projected data: Energy Information Administration, *Short-Term Energy Outlook*.

Table 3

Table 3. Natural Gas Consumption in the United States, 1994-2000
(Billion Cubic Feet)

Year and Month	Lease and Plant Fuel ^a	Pipeline Fuel ^b	Delivered to Consumers					Total Consumption
			Residential	Commercial ^c	Industrial	Electric Utilities	Total	
1994 Total	1,124	685	4,848	2,897	8,167	2,987	18,899	20,708
1995 Total	1,220	700	4,850	3,034	8,580	3,197	19,660	21,581
1996 Total	1,250	711	5,241	3,161	8,870	2,732	20,006	21,967
1997 Total	1,203	751	4,984	3,219	8,832	2,968	20,004	21,959
1998								
January	101	73	812	451	793	171	2,227	2,401
February	90	64	692	393	739	134	1,957	2,111
March	101	64	648	367	750	194	1,959	2,123
April	97	51	408	256	704	190	1,558	1,705
May	99	44	221	170	676	290	1,357	1,500
June	96	43	153	138	654	379	1,323	1,462
July	97	47	132	142	704	449	1,428	1,572
August	98	47	117	144	719	457	1,438	1,583
September	90	44	121	140	695	381	1,337	1,471
October	98	44	203	173	718	246	1,340	1,482
November	94	51	398	264	732	178	1,572	1,717
December	96	64	616	362	803	189	1,969	2,129
Total	1,157	635	4,520	3,005	8,686	3,258	19,469	21,262
1999								
January	E106	76	899	481	R767	176	R2,324	R2,505
February	E96	63	679	393	725	149	1,947	R2,106
March	E106	64	658	378	723	204	1,964	2,133
April	E101	53	416	260	679	254	1,610	1,763
May	E105	45	233	R179	R687	270	R1,369	R4,519
June	E101	43	154	R141	664	322	R1,281	R1,425
July	E103	45	127	136	R674	434	R1,372	R1,521
August	E102	46	117	R139	R737	432	R1,426	R1,575
September	E100	43	137	143	R761	283	R1,323	R1,467
October	E103	47	233	188	R768	240	R1,428	R1,578
November	E101	51	371	255	R780	172	R1,578	R1,731
December	E104	64	666	361	R832	176	R2,035	R2,205
Total	E1,228	638	4,691	R3,055	R8,798	3,113	R19,657	R21,529
2000								
January	RE103	75	886	R464	R788	190	R2,328	R2,506
February	RE97	69	R767	423	800	166	R2,157	R2,323
March	RE105	61	546	R359	R769	207	R1,882	R2,048
April	E99	53	392	R256	R758	214	R1,619	1,772
May	RE103	49	223	205	R761	309	R1,498	R1,650
June	E102	46	152	166	755	306	1,379	1,527
July(STIFS)	E103	E43	E125	E142	E724	NA	E1,372	1,521
August(STIFS)	E103	E41	E115	E141	E802	NA	E1,441	E1,585
September(STIFS)	E101	E41	E132	E141	E760	NA	E1,336	E1,478
2000 YTD^d	917	478	3,337	2,297	6,918	1,393	15,012	16,410
1999 YTD^d	920	477	3,421	2,252	6,418	1,376	14,616	16,015
1998 YTD^d	870	476	3,303	2,200	6,434	1,358	14,583	15,928

^a Plant fuel data are only collected on an annual basis and monthly lease fuel data are only collected annually. Lease and plant fuel estimates have been between 6 and 7 percent of marketed production annually. Monthly lease and plant fuel use is estimated from monthly marketed production by assuming that the preceding annual percentage remains constant for the next twelve months.

^b Pipeline fuel use is only collected on an annual basis. Annually it is between 3 and 4 percent of total consumption. Monthly pipeline fuel data are estimated from monthly total consumption(excluding pipeline fuel) by assuming that the preceding annual percentage remains constant for the next twelve months.

^c Deliveries to Commercial consumers for 1994-1998 include vehicle fuel deliveries, which totaled, in billion cubic feet, 1.7 in 1994, 2.7 in 1995, 2.9 in 1996, 4.4 in 1997, and 5.1 in 1998.

^d Year-to-date volume represents months for which volume information is available in the current year.

^R Revised Data.

^E Estimated Data.

^{RE} Revised Estimated Data.

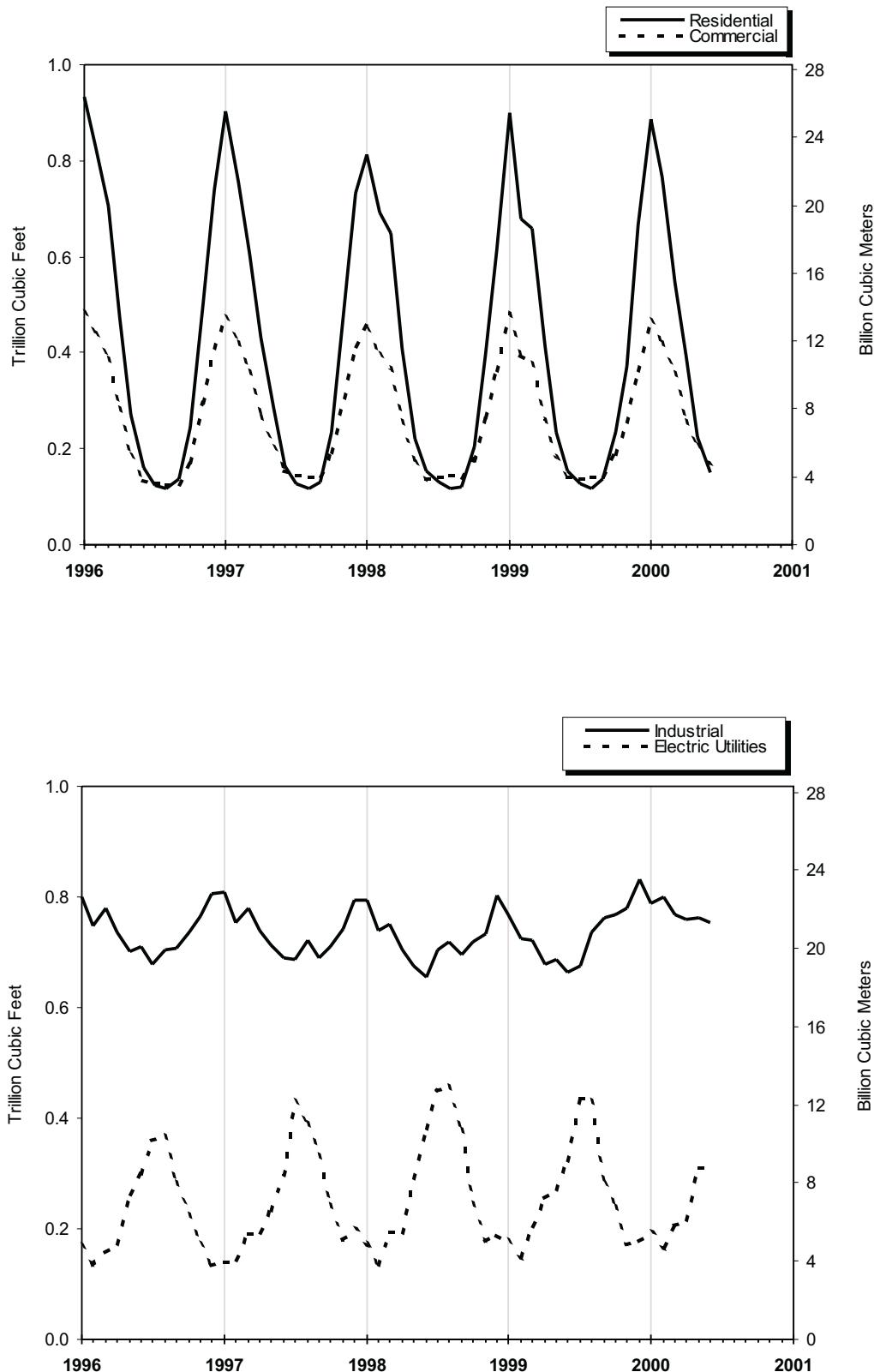
NA Not Available.

Notes: Data for 1994 through 1998 are final. All other data are preliminary unless otherwise indicated. Estimates for the most recent three months are derived from the Short-Term Integrated Forecasting System (STIFS). Geographic coverage is the 50 States and the District of Columbia. Totals may not equal sum of components because of independent rounding. In 1996, consumption of natural gas for agricultural use was classified as industrial use. In 1995 and earlier years, agricultural use was classified as commercial use. See Explanatory Note 5 for further explanation.

Sources: 1994-1998: Energy Information Administration (EIA): Form EIA-627, "Annual Quantity and Value of Natural Gas Report," (thru 1994), Form EIA-895 "Monthly Quantity of Natural Gas Report," (1995 forward), Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers," Form EIA-759, "Monthly Power Plant Report," EIA computations, and *Natural Gas Annual 1998*. January 1999 through the current month: EIA: Form EIA-895, Form EIA-857, Form EIA-759, and STIFS computations. See Appendix A, Explanatory Note 5, for computation procedures and revision policy.

Figure 2

Figure 2. Natural Gas Deliveries to Consumers in the United States, 1996-2000



Source: Table 3.

Table 4

Table 4. Selected National Average Natural Gas Prices, 1994-2000

(Dollars per Thousand Cubic Feet)

Year and Month	Wellhead Price ^a	City Gate Price	Delivered to Consumers						Electric Utilities Price	
			Residential Price	Commercial		Industrial				
				Price	% of Total ^b	Price	% of Total ^b			
1994 Annual Average	1.85	3.07	6.41	5.44	79.3	3.05	25.5	2.28		
1995 Annual Average	1.55	2.78	6.06	5.05	76.7	2.71	24.5	2.02		
1996 Annual Average	2.17	3.34	6.34	5.40	77.6	3.42	19.4	2.69		
1997 Annual Average	2.32	3.66	6.94	5.80	70.8	3.59	18.1	2.78		
1998										
January	1.95	3.08	6.41	5.65	73.2	3.67	16.8	2.64		
February	1.95	3.08	6.41	5.59	72.9	3.58	16.7	2.51		
March	2.05	3.06	6.29	5.40	73.6	3.40	17.3	2.53		
April	2.15	3.23	6.81	5.64	67.7	3.28	15.8	2.59		
May	2.04	3.12	7.70	5.73	62.6	3.14	14.9	2.47		
June	1.90	2.98	8.51	5.51	62.9	2.97	15.1	2.40		
July	2.08	3.31	8.53	5.64	56.0	3.04	13.1	2.50		
August	1.81	3.01	9.25	5.46	53.3	2.75	13.8	2.21		
September	1.69	2.78	8.96	5.49	57.0	2.65	14.2	2.15		
October	1.85	2.99	7.60	5.31	59.2	2.75	14.8	2.22		
November	1.93	2.99	6.58	5.22	64.5	2.95	15.7	2.37		
December	1.94	3.10	6.34	5.23	68.3	2.92	17.2	2.22		
Annual Average	1.94	3.07	6.82	5.48	67.0	3.14	16.1	2.40		
1999										
January	€1.80	€2.85	5.99	5.06	72.8	3.07	€15.9	2.32		
February	€1.73	2.94	6.24	5.17	69.1	2.97	15.5	2.26		
March	€1.70	€2.68	6.01	5.00	68.7	2.91	16.0	2.15		
April	€1.93	2.91	6.32	5.71	64.6	2.81	15.9	2.29		
May	€2.10	€3.26	7.11	5.13	€61.1	€2.67	€16.9	2.57		
June	€2.09	€3.21	7.96	5.27	€60.0	2.87	16.8	2.53		
July	€2.07	€3.13	8.54	5.26	57.9	2.90	€17.1	2.58		
August	€2.34	€3.44	8.96	5.36	€54.8	€2.97	€20.2	2.86		
September	€2.42	€3.49	8.45	5.43	57.4	€3.08	€19.3	2.98		
October	€2.31	€3.46	7.50	5.36	59.8	€3.19	€18.8	2.83		
November	€2.44	€3.73	7.09	5.46	62.6	€3.40	€19.1	3.01		
December	€2.03	€3.20	6.48	5.46	65.6	€3.09	€22.9	2.68		
Annual Average	€2.08	3.11	6.62	5.27	65.1	€3.01	€18.0	2.62		
2000										
January	€2.12	3.30	6.30	5.38	€67.9	€3.31	€19.0	2.74		
February	€2.30	3.49	6.45	€5.54	70.0	3.44	18.2	2.95		
March	€2.36	3.54	6.82	€5.25	€65.6	€3.37	€17.1	2.99		
April	€2.55	3.66	7.05	€5.57	€65.6	€3.59	15.5	3.22		
May	€2.76	3.88	7.94	5.32	63.5	€3.71	14.7	3.61		
June	€3.58	4.93	9.05	5.63	63.0	4.26	15.5	NA		
July	€3.49	NA	NA	NA	NA	NA	NA	NA		
August	€3.41	NA	NA	NA	NA	NA	NA	NA		
2000 YTD^c	€2.61	3.65	6.81	5.43	66.7	3.59	16.7	3.16		
1999 YTD^c	€1.89	2.91	6.28	5.18	67.9	2.88	16.2	2.33		
1998 YTD^c	2.01	3.09	6.64	5.58	70.6	3.37	16.2	2.54		

^a See Appendix A, Explanatory Note 8, for discussion of wellhead prices.

^b Percentage of total deliveries represented by onsystem sales, see Figure 6. See Table 25 for breakdown by State.

^c Year-to-date price represents months for which price information is available in the current year.

€ Revised Data.

€ Estimated Data.

NA Not Available.

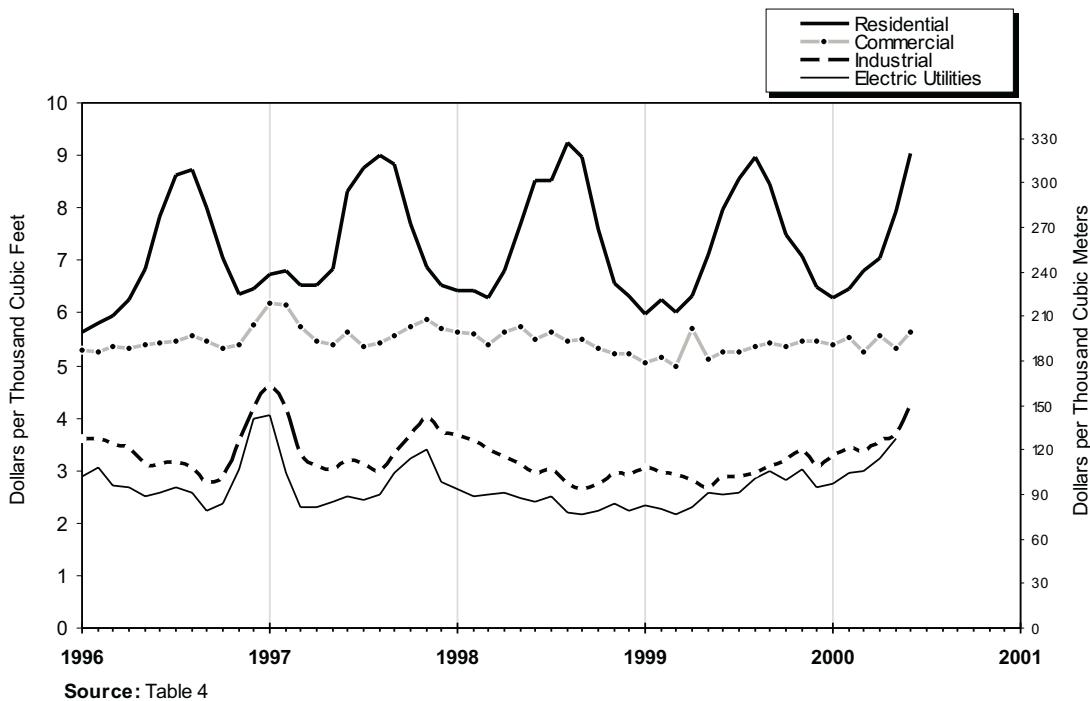
Notes: Data for 1994 through 1998 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50

States and the District of Columbia. In 1996, consumption of natural gas for agricultural use was classified as industrial use. In 1995 and earlier years, agricultural use was classified as commercial use. See Explanatory Note 5 for further explanation.

Sources: 1994-1998: Energy Information Administration (EIA) *Natural Gas Annual 1998*. January 1999 through current month: EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers," Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," and EIA estimates. See Appendix A, Explanatory Note 8 for estimation procedures and revision policy.

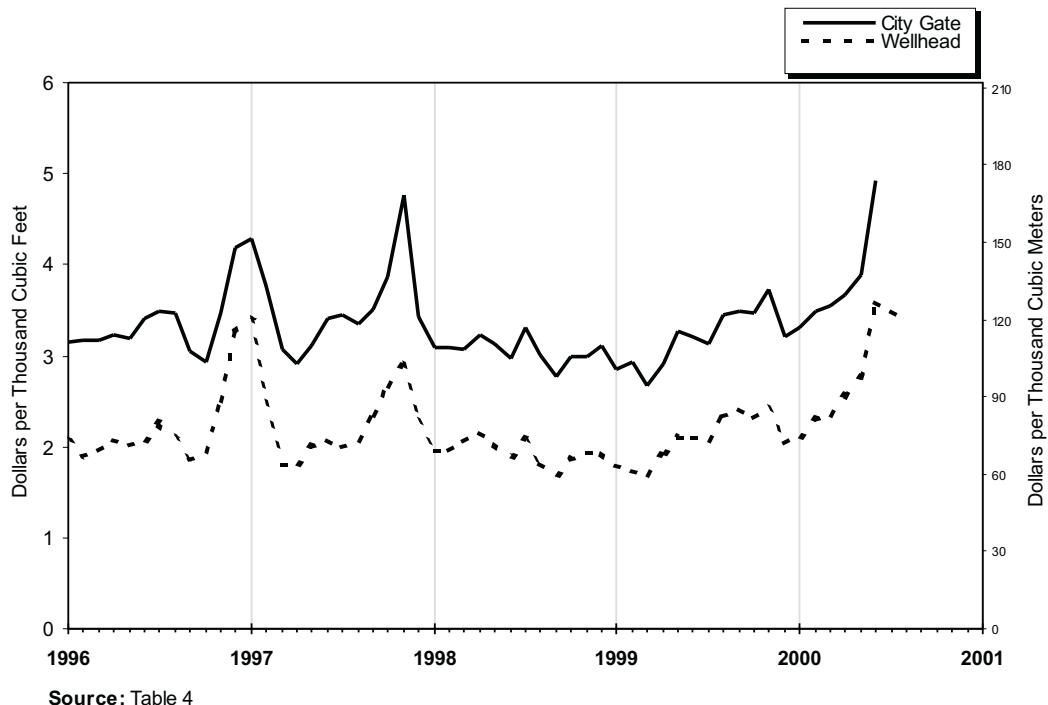
Figures 3 and 4

Figure 3. Average Price of Natural Gas Delivered to Consumers in the U.S., 1996-2000



Source: Table 4

Figure 4. Average Price of Natural Gas in the United States, 1996-2000



Source: Table 4

Table 5

Table 5. U.S. Natural Gas Imports, by Country, 1994-2000

(Volumes in Million Cubic Feet, Prices in Dollars per Thousand Cubic Feet)

Year and Month	Pipeline				LNG					
	Canada		Mexico		Algeria		Australia		Nigeria	
	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price
1994 Total	2,566,049	1.86	7,013	1.99	50,778	2.28	0	—	0	—
1995 Total	2,816,408	1.48	6,722	1.53	17,918	2.30	0	—	0	—
1996 Total	2,883,277	1.96	13,862	2.25	35,325	2.70	0	—	0	—
1997 Total	2,899,152	2.15	17,243	2.31	65,675	2.67	9,686	2.92	0	—
1998										
January	276,118	2.06	55	2.12	10,105	2.51	0	—	0	—
February	239,091	1.90	2,184	2.04	7,606	2.51	2,171	3.99	0	—
March	257,485	1.97	380	2.20	5,166	2.50	0	—	0	—
April	247,363	2.03	3,249	2.37	2,549	2.52	0	—	0	—
May	243,868	2.00	845	2.15	7,596	2.51	0	—	0	—
June	235,847	1.86	5	2.21	5,149	2.51	2,441	2.91	0	—
July	259,412	1.96	1,821	2.13	5,086	2.52	0	—	0	—
August	268,535	1.80	1,413	1.78	2,540	2.52	2,321	2.92	0	—
September	254,752	1.66	2,257	1.86	5,133	2.52	0	—	0	—
October	260,135	1.92	905	1.65	5,023	2.50	0	—	0	—
November	247,971	2.09	0	—	5,042	2.51	2,353	3.55	0	—
December	261,495	2.14	1,418	1.77	7,572	2.51	2,348	3.18	0	—
Total	3,052,073	1.95	14,532	2.03	68,567	2.51	11,634	3.30	0	—
1999										
January	292,833	2.02	4,891	1.74	13,066	2.42	0	—	0	—
February	269,126	1.90	4,398	1.69	7,684	2.51	2,557	3.55	0	—
March	287,769	1.77	751	1.60	13,090	2.44	0	—	0	—
April	257,065	1.83	4,193	2.02	7,637	2.35	0	—	0	—
May	275,219	2.18	6,844	1.94	3,898	2.13	0	—	0	—
June	260,240	2.13	4,978	2.12	2,528	2.17	2,314	2.33	0	—
July	278,424	2.17	3,877	2.21	5,134	2.18	0	—	0	—
August	288,717	2.39	6,028	2.61	2,554	2.17	2,302	2.37	0	—
September	280,798	2.64	4,643	2.39	7,593	2.49	0	—	0	—
October	287,177	2.50	4,168	2.49	5,118	2.48	2,309	2.42	0	—
November	284,514	2.85	6,463	2.31	2,440	2.85	0	—	0	—
December	305,663	2.32	3,296	2.08	5,021	2.51	2,422	2.76	0	—
Total	3,367,545	2.23	54,530	2.14	75,763	2.41	11,904	2.70	0	—
2000										
January	310,181	2.43	2,911	2.30	5,026	2.51	0	—	0	—
February	289,222	2.57	730	2.50	4,987	3.62	0	—	0	—
March	292,023	2.61	316	2.60	3,990	2.40	0	—	0	—
April	^R 274,151	^R 2.85	^R 756	^R 2.97	^R 2,566	^R 2.62	^R 2,274	^R 3.18	0	—
May	^R 274,895	^R 3.06	^R 0	—	^R 2,453	^R 3.01	0	—	0	—
June	^R 278,799	^R 3.89	^R 0	—	2,529	^R 3.40	0	—	2,488	^R 4.20
July	^E 271,559	NA	0	—	5,069	NA	2,285	NA	2,496	NA
2000 YTD	^E1,990,830	NA	4,713	2.46	26,620	NA	4,559	NA	4,983	NA
1999 YTD	1,920,676	2.00	29,932	1.94	53,037	2.37	4,871	2.97	0	—
1998 YTD	1,759,184	1.97	8,539	2.20	43,258	2.51	4,612	3.42	0	—

See footnotes at end of table.

Table 5. U.S. Natural Gas Imports, by Country, 1994-2000

(Volumes in Million Cubic Feet, Prices in Dollars per Thousand Cubic Feet) — Continued

Year and Month	LNG								Total	
	Qatar		Trinidad		United Arab Emirates		Other		Volume	Average Price
	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price		
1994 Total	0	—	0	—	0	—	0	—	2,623,839	1.87
1995 Total	0	—	0	—	0	—	0	—	2,841,048	1.49
1996 Total	0	—	0	—	4,949	3.46	0	—	2,937,413	1.97
1997 Total	0	—	0	—	2,417	3.74	0	—	2,994,173	2.17
1998										
January	0	—	0	—	0	—	0	—	286,278	2.08
February	0	—	0	—	0	—	0	—	251,052	1.94
March	0	—	0	—	0	—	0	—	263,032	1.98
April	0	—	0	—	0	—	0	—	253,161	2.04
May	0	—	0	—	0	—	0	—	252,310	2.02
June	0	—	0	—	0	—	0	—	243,442	1.88
July	0	—	0	—	0	—	0	—	266,319	1.97
August	0	—	0	—	0	—	0	—	274,809	1.82
September	0	—	0	—	0	—	0	—	262,142	1.68
October	0	—	0	—	0	—	0	—	266,063	1.93
November	0	—	0	—	2,667	2.78	0	—	258,033	2.12
December	0	—	0	—	2,585	2.47	0	—	275,417	2.16
Total	0	—	0	—	5,252	2.63	0	—	3,152,058	1.97
1999										
January	0	—	0	—	0	—	0	—	310,790	2.03
February	2,647	2.72	0	—	0	—	0	—	286,412	1.93
March	0	—	0	—	0	—	0	—	301,610	1.80
April	2,492	1.91	0	—	0	—	0	—	271,387	1.85
May	0	—	5,493	1.88	0	—	0	—	291,454	2.17
June	2,417	1.94	6,619	2.08	0	—	0	—	279,096	2.13
July	2,388	2.61	6,599	2.11	0	—	0	—	296,422	2.18
August	0	—	9,904	2.33	0	—	^a 2,576	2.36	312,081	2.39
September	4,987	2.74	4,393	2.55	0	—	0	—	302,414	2.63
October	0	—	5,865	2.57	0	—	0	—	304,637	2.50
November	2,374	3.45	6,648	2.85	2,713	3.03	0	—	305,152	2.85
December	2,392	3.59	5,256	2.83	0	—	0	—	324,050	2.34
Total	19,697	2.71	50,777	2.39	2,713	3.03	—	2.36	3,585,505	2.24
2000										
January	0	—	7,780	3.01	0	—	0	—	325,898	2.44
February	0	—	5,168	2.90	0	—	0	—	300,107	2.59
March	2,428	2.79	8,393	2.89	0	—	0	—	307,150	2.62
April	^R 7,254	^R 2.71	^R 7,285	^R 3.04	0	—	0	—	^R 294,286	^R 2.85
May	0	—	^R 10,723	^R 3.05	0	—	0	—	^R 288,072	^R 3.06
June	2,385	^R 2.75	7,390	^R 3.47	2,725	^R 3.56	0	—	^R 296,316	^R 3.87
July	4,531	NA	8,109	NA	0	—	0	—	^E 294,048	NA
2000 YTD	16,597	NA	54,848	NA	2,725	3.56	0	—	^E2,105,876	NA
1999 YTD	9,944	2.30	18,711	2.03	0	—	0	—	2,037,171	2.01
1998 YTD	0	—	0	—	0	—	0	—	1,815,594	1.99

^a Received from Malaysia.^R Revised Data.^E Estimated Data.

NA Not Available.

— Not Applicable.

— Data not available.

Sources: 1994: Energy Information Administration, Form FPC-14,

"Annual Report for Importers and Exporters of Natural Gas." January 1995 through the current month (except estimates): Office of Fossil Energy, U.S. Department of Energy, *Natural Gas Imports and Exports*. Estimated pipeline data (shown with an "E") are taken from data from the National Energy Board of Canada plus EIA estimates. LNG data: Industry reports.

Table 6

Table 6. U.S. Natural Gas Exports, by Country, 1994-2000

(Volumes in Million Cubic Feet, Prices in Dollars per Thousand Cubic Feet)

Year and Month	Pipeline				LNG				Total	
	Canada		Mexico		Japan		Mexico		Volume	Average Price
	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price		
1994 Total	52,556	2.42	46,500	1.68	62,682	3.18	0	—	161,738	2.50
1995 Total	27,554	1.96	61,283	1.50	65,283	3.41	0	—	154,119	2.39
1996 Total	51,905	2.67	33,840	2.11	67,648	3.65	0	—	153,393	2.97
1997 Total	56,447	2.52	38,372	2.46	62,187	3.83	0	—	157,006	3.02
1998										
January	4,930	2.53	4,257	2.11	7,446	3.67	0	—	16,632	2.93
February	4,502	2.11	3,117	2.06	3,726	3.42	0	—	11,346	2.53
March	7,851	2.25	4,202	2.14	7,435	3.09	0	—	19,488	2.55
April	4,509	2.47	2,675	2.23	5,702	2.81	0	—	12,886	2.57
May	2,083	2.28	6,119	2.12	1,891	2.70	0	—	10,093	2.26
June	1,938	2.03	5,617	1.98	5,695	2.69	0	—	13,250	2.29
July	1,634	1.97	3,852	2.20	5,679	2.70	0	—	11,166	2.42
August	52	1.87	4,834	1.95	5,676	2.70	1	5.88	10,563	2.35
September	1,481	2.09	2,892	1.81	7,584	2.68	0	—	11,957	2.40
October	2,127	2.03	5,167	1.90	5,679	2.72	3	5.74	12,975	2.28
November	3,630	2.17	5,079	2.00	3,776	2.75	9	5.69	12,494	2.28
December	5,152	2.26	5,323	1.99	5,662	2.73	20	5.68	16,157	2.34
Total	39,891	2.25	53,133	2.04	65,951	2.91	33	5.69	159,007	2.45
1999										
January	2,264	1.92	4,526	1.81	5,586	2.95	24	7.41	12,400	2.36
February	2,564	1.93	4,777	1.72	5,564	2.94	29	7.39	12,934	2.30
March	4,494	1.80	5,950	1.62	5,570	2.88	21	7.33	16,035	2.11
April	2,246	1.80	5,049	1.87	5,687	2.77	19	7.13	13,001	2.26
May	2,212	2.26	6,108	2.27	5,644	2.78	24	7.42	13,988	2.48
June	1,953	2.14	5,278	2.29	3,754	2.77	18	7.28	11,003	2.44
July	1,987	2.19	5,612	2.31	5,675	2.88	20	7.14	13,294	2.54
August	2,018	2.41	5,398	2.70	5,643	3.11	20	7.36	13,079	2.84
September	1,959	2.80	5,267	2.89	5,605	3.23	21	7.26	12,852	3.03
October	2,339	2.63	4,086	2.68	3,723	3.28	13	7.07	10,161	2.89
November	8,018	2.95	5,001	2.89	5,579	3.56	30	5.85	18,628	3.12
December	6,454	2.39	3,973	2.28	5,577	3.81	36	5.82	16,040	2.86
Total	38,508	2.35	61,025	2.27	63,607	3.08	275	6.95	163,415	2.61
2000										
January	7,056	2.49	5,937	2.39	5,569	4.04	36	5.82	18,598	2.93
February	9,033	2.70	6,394	2.62	5,566	4.08	37	5.82	21,030	3.05
March	9,051	2.74	7,641	2.70	3,769	4.18	45	5.82	20,506	3.00
April	R\$3,093	R\$2.86	R\$8,794	R\$2.93	R\$5,670	R\$4.25	R\$30	R\$5.82	R\$17,587	R\$3.35
May	R\$3,791	R\$3.15	R\$10,338	R\$3.23	5,709	R\$4.27	R\$31	R\$5.82	R\$19,869	R\$3.52
June	R\$4,331	R\$4.19	R\$8,714	R\$4.30	3,763	R\$4.34	R\$30	R\$5.82	R\$16,837	R\$4.28
July	E\$4,331	NA	E\$8,714	NA	5,587	NA	NA	E\$18,632	NA	NA
2000 YTD	E40,685	NA	E56,532	NA	35,633	NA	NA	NA	E133,060	NA
1999 YTD	17,720	1.97	37,300	2.00	37,480	2.86	155	7.31	92,655	2.35
1998 YTD	27,448	2.28	29,838	2.11	37,574	3.06	0	—	94,860	2.53

R Revised Data.

E Estimated Data.

NA Not Available.

— Not Applicable.

Sources: 1994: Energy Information Administration, Form FPC-14,

"Annual Report for Importers and Exporters of Natural Gas," January 1995 through the current month (except estimates): Office of Fossil Energy, U.S. Department of Energy, *Natural Gas Imports and Exports*. Estimated pipeline data (shown with an "E") are taken from data from the National Energy Board of Canada plus EIA estimates. LNG data: Industry reports.

Table 7. Marketed Production of Natural Gas, by State, 1994-2000
 (Million Cubic Feet)

Year and Month	Alabama ^b	Alaska	Arizona	California	Colorado	Florida	Kansas
1994 Total	515,272	555,402	752	309,427	453,207	7,486	712,730
1995 Total	519,661	469,550	558	279,555	523,084	6,463	721,436
1996 Total	530,841	480,828	463	286,494	572,071	6,006	712,796
1997 Total	583,272	468,311	452	285,690	637,375	6,114	687,215
1998							
January	46,466	43,382	43	24,752	57,511	503	53,032
February	41,653	39,244	42	22,151	52,954	491	48,698
March	46,476	42,479	53	22,708	58,795	592	52,948
April	46,281	38,540	43	21,952	57,586	531	51,415
May	48,978	35,281	38	23,894	57,916	513	54,334
June	49,638	36,217	34	24,871	55,989	426	52,862
July	50,131	36,171	42	27,157	57,737	486	51,324
August	49,215	36,118	36	29,727	58,584	472	54,059
September	42,308	36,884	32	29,114	57,005	498	43,419
October	47,503	39,958	31	30,467	60,868	423	47,058
November	46,682	39,483	33	29,508	59,592	401	47,359
December	48,447	42,890	33	28,974	61,783	459	47,078
Total	563,779	466,648	457	315,277	696,321	5,796	603,586
1999							
January	32,042	43,848	31	29,268	64,539	517	52,200
February	29,023	39,443	27	26,541	65,679	448	43,801
March	31,836	42,685	36	30,361	64,787	494	47,290
April	28,413	E37,537	38	29,808	60,311	459	45,904
May	33,517	E33,279	41	30,944	62,881	427	46,147
June	32,295	E35,853	45	28,553	61,281	392	46,452
July	32,356	E36,229	60	30,744	61,014	503	46,254
August	32,180	34,246	51	31,632	61,142	570	45,902
September	32,532	32,790	43	31,288	58,471	526	44,294
October	32,386	39,580	43	32,560	62,315	528	45,342
November	32,204	40,458	35	32,442	60,588	566	44,094
December	32,917	43,918	28	31,804	59,278	503	45,740
Total	381,702	E459,865	478	365,945	742,284	5,933	553,419
2000							
January	32,291	43,584	37	31,011	E61,130	499	44,772
February	30,245	38,884	33	28,855	E58,455	E480	42,199
March	31,529	E39,274	26	31,351	E62,186	567	40,737
April	30,427	E34,542	28	30,645	E59,718	E504	E39,555
May	E31,716	E30,923	31	31,886	E60,667	E474	43,445
2000 YTD	E156,207	E187,207	155	153,749	E302,156	E2,524	E210,708
1999 YTD	154,832	E196,792	173	146,923	318,197	2,344	235,342
1998 YTD	229,854	198,926	218	115,459	284,762	2,631	260,427

See footnotes at end of table.

Table 7. Marketed Production of Natural Gas, by State, 1994-2000
 (Million Cubic Feet) — Continued

Year and Month	Louisianab	Michigan	Mississippi	Montana	New Mexico	North Dakota	Oklahoma
1994 Total	5,169,705	222,657	63,448	50,416	1,557,689	57,805	1,934,864
1995 Total	5,108,366	238,203	95,533	50,264	1,625,837	49,468	1,811,734
1996 Total	5,289,742	245,740	103,263	50,996	1,554,087	49,674	1,734,887
1997 Total	5,229,821	305,950	107,300	52,437	1,558,633	52,401	1,703,888
1998							
January	453,867	28,460	9,639	4,831	130,265	4,623	158,897
February	409,480	8,278	8,574	4,569	118,164	4,039	126,200
March	459,364	30,780	9,781	4,892	132,729	4,344	136,334
April	452,863	17,823	8,957	4,683	127,544	4,311	134,115
May	471,279	29,198	9,121	4,978	131,488	4,529	140,400
June	451,104	26,958	8,586	4,448	120,632	4,304	136,013
July	454,637	26,171	9,258	4,636	126,924	4,460	134,510
August	457,279	18,896	8,834	4,594	129,164	4,546	139,914
September	363,707	28,491	8,664	4,750	124,152	4,435	134,805
October	433,764	21,816	8,868	5,040	129,640	4,610	138,167
November	431,629	12,013	8,602	5,044	116,404	4,465	134,583
December	448,896	29,193	9,184	5,182	113,991	4,520	130,592
Total	5,287,870	278,076	108,068	57,645	1,501,098	53,185	1,644,531
1999							
January	466,143	20,853	9,154	E4,947	134,745	4,331	E144,408
February	425,121	8,746	8,678	E4,700	134,071	3,858	E122,928
March	463,776	39,892	9,933	E5,002	134,084	4,220	E133,354
April	450,953	22,653	9,426	E4,749	134,098	4,298	E131,587
May	474,329	25,273	9,708	E4,894	134,008	4,335	E139,036
June	464,118	25,120	9,480	E4,118	133,918	4,329	E133,557
July	468,257	24,043	9,542	E4,340	133,828	4,570	E132,444
August	468,679	19,291	9,406	E4,552	133,738	4,540	E133,202
September	444,299	24,696	9,198	E4,621	135,075	4,431	E132,151
October	447,547	13,774	9,050	E4,527	136,426	4,613	E137,584
November	444,283	21,770	8,608	E5,019	E127,203	4,576	E131,472
December	457,337	32,091	8,840	E5,371	E126,935	4,622	E132,433
Total	5,474,842	278,202	111,022	E56,840	E1,598,128	52,722	E1,604,156
2000							
January	460,309	22,664	8,241	R5,883	119,673	4,596	E133,257
February	432,654	16,043	E7,636	R5,344	120,198	4,114	E124,665
March	467,392	33,779	E8,594	R5,595	E129,748	E4,288	E132,000
April	452,175	12,800	E8,081	R5,123	E126,357	4,270	E128,321
May	462,558	26,717	E8,366	3,220	E128,915	4,530	E134,196
2000 YTD	2,275,088	112,004	E40,918	25,165	E624,892	E21,799	E652,439
1999 YTD	2,280,322	117,418	46,899	E24,292	671,006	21,042	E671,313
1998 YTD	2,246,853	114,539	46,073	23,951	640,190	21,846	695,946

See footnotes at end of table.

Table 7. Marketed Production of Natural Gas, by State, 1994-2000
 (Million Cubic Feet) — Continued

Year and Month	Oregon	Texas ^c	Utah	Wyoming	Other ^a States	U.S. Total
1994 Total	3,221	6,353,844	270,858	696,018	774,724	19,709,525
1995 Total	1,923	6,330,048	241,290	673,775	759,728	19,506,474
1996 Total	1,439	6,470,620	250,767	666,036	805,491	19,812,241
1997 Total	1,173	6,453,873	257,139	738,368	736,679	19,866,093
1998						
January	90	550,623	21,826	66,238	64,219	1,719,267
February	79	497,583	21,758	59,825	56,464	1,520,246
March	96	548,845	23,656	64,659	60,395	1,699,925
April	92	531,219	23,513	61,338	57,355	1,640,161
May	92	545,368	24,967	65,642	57,484	1,705,500
June	90	522,691	23,968	59,655	55,586	1,634,073
July	95	536,998	23,036	63,534	58,630	1,665,937
August	94	542,707	23,681	63,228	56,789	1,677,936
September	90	507,526	21,554	63,059	56,609	1,527,103
October	83	529,662	23,830	65,994	61,915	1,649,698
November	85	509,919	23,045	64,618	57,038	1,590,505
December	80	495,612	22,507	63,523	62,259	1,615,203
Total	1,067	6,318,754	277,340	761,313	704,742	19,645,554
1999						
January	83	542,129	23,467	62,582	E60,348	E1,695,636
February	84	490,865	21,141	55,832	E55,142	E1,536,128
March	120	534,240	23,878	67,624	E59,456	E1,693,066
April	111	507,927	22,076	61,885	E55,351	E1,607,583
May	113	526,518	22,771	64,838	E56,407	E1,669,465
June	111	501,865	21,828	63,028	E53,875	E1,620,216
July	110	521,504	21,707	66,127	E55,164	E1,648,796
August	74	517,063	21,493	58,535	E55,466	E1,631,761
September	90	503,267	19,725	66,255	E54,270	E1,598,021
October	124	525,498	21,610	71,680	E59,148	E1,644,334
November	134	508,064	21,364	67,983	E57,000	E1,607,863
December	138	521,846	21,554	73,001	E60,056	E1,658,412
Total	1,291	6,200,786	262,614	779,369	E681,684	E19,611,282
2000						
January	120	R534,692	E21,803	60,415	E58,767	RE1,643,744
February	101	R497,914	E20,135	R69,756	E52,594	RE1,550,305
March	102	R540,947	E22,615	R74,361	E56,517	RE1,681,608
April	95	R518,945	E21,168	R60,883	E53,286	RE1,586,926
May	98	537,490	E22,459	R62,704	E54,179	E1,644,576
2000 YTD	516	2,629,988	E108,181	E328,119	E275,343	E8,107,158
1999 YTD	510	2,601,679	113,334	312,759	E286,704	E8,201,879
1998 YTD	449	2,673,638	115,720	317,702	295,916	8,285,099

^a Includes Arkansas, Illinois, Indiana, Kentucky, Maryland, Missouri, Nebraska, Nevada, New York, Ohio, Pennsylvania, South Dakota, Tennessee, Virginia and West Virginia. The 1999 monthly values for these States are estimated.

^b For Alabama and Louisiana, all data for 1994 through 1998 include Federal Offshore production. For 1999, Alabama data do not include Federal Offshore production, while data for Louisiana include both the Louisiana and Alabama portions of Federal Offshore Production.

^c Federal offshore production volumes are included.

^R Revised Data.

E Estimated Data.

RE Revised Estimated Data.

Notes: Data for 1994 through 1998 are final. All other data are preliminary unless otherwise indicated. Totals may not equal sum of components because of independent rounding. See Appendix A, Explanatory Notes 1 and 3 for discussion of computation procedures and revision policy.

Sources: 1994-1998: Energy Information Administration (EIA), *Natural Gas Annual 1998.1999* through current month; Form EIA-895, "Monthly Quantity of Natural Gas Report," Minerals Management Service reports, and EIA computations.

Table 8

Table 8. Gross Withdrawals and Marketed Production of Natural Gas by State, May 2000
 (Million Cubic Feet)

State	Gross Withdrawals			Repressuring	Nonhydro-carbon Gases Removed ^a	Vented and Flared	Marketed Production
	From Gas Wells	From Oil Wells	Total				
Alabama	\$34,567	\$562	\$35,128	\$1,293	\$1,972	\$147	\$31,716
Alaska	\$12,034	\$222,811	\$234,844	\$203,496	0	\$426	\$30,923
Arizona	31	0	31	0	0	0	31
California	7,599	27,996	35,594	3,460	167	81	31,886
Colorado	\$53,067	\$8,189	\$61,255	\$523	0	\$66	\$60,667
Florida	0	\$535	\$535	0	\$61	0	\$474
Kansas	39,489	4,074	43,563	74	0	44	43,445
Louisiana	407,048	61,191	468,239	3,672	0	2,009	462,558
Michigan	21,745	5,436	27,181	191	0	272	26,717
Mississippi	\$9,167	\$426	\$9,593	\$525	\$495	\$208	\$8,366
Montana	2,837	387	3,223	4	0	0	3,220
New Mexico	\$123,655	\$19,107	\$142,763	\$868	\$12,748	\$231	\$128,915
North Dakota	1,172	3,622	4,794	0	5	259	4,530
Oklahoma	\$121,064	\$13,132	\$134,196	\$0	\$0	\$0	\$134,196
Oregon	119	0	119	4	17	0	98
Texas	476,571	115,316	591,887	38,304	13,604	2,490	537,490
Utah	\$20,444	\$3,175	\$23,619	\$37	0	\$1,123	\$22,459
Wyoming	\$96,701	\$5,036	\$101,737	\$12,326	\$13,345	\$13,362	\$62,704
Other States	\$52,004	\$2,789	\$54,793	\$85	\$419	\$109	\$54,179
Total	\$1,479,313	\$493,783	\$1,973,096	\$264,863	\$42,832	\$20,826	\$1,644,576

^a See Appendix A, Explanatory Note 1, for a discussion of data on Nonhydrocarbon Gases Removed.

^E Estimated Data.

Notes: All monthly data are considered preliminary until publication of the

Natural Gas Annual for that year. Totals may not equal sum of components because of independent rounding. See Appendix A, Explanatory Notes 1 and 3 for discussion of computation procedures and revision policy.

Sources: Form EIA-895, "Monthly Quantity of Natural Gas Report."

Table 9. Underground Natural Gas Storage - All Operators, 1994-2000

(Volumes in Billion Cubic Feet)

Year and Month	Natural Gas in Underground Storage at End of Period			Change In Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total ^b	Volume	Percent	Injections	Withdrawals	Net Withdrawals ^c
1994 Total^a	4,360	2,606	6,966	284	12.2	2,796	2,508	-288
1995 Total^a	4,349	2,153	6,503	-453	-17.4	2,566	2,974	408
1996 Total^a	4,341	2,173	6,513	19	0.9	2,906	2,911	6
1997 Total^a	4,350	2,175	6,525	2	0.1	2,800	2,824	24
1998								
January	4,347	1,712	6,060	215	14.5	69	538	468
February	4,342	1,426	5,768	286	25.2	75	365	291
March	4,342	1,183	5,524	192	19.4	136	382	246
April	4,339	1,386	5,725	334	31.9	280	80	-200
May	4,341	1,774	6,114	407	29.9	433	42	-391
June	4,335	2,114	6,449	381	22.1	379	52	-327
July	4,378	2,428	6,806	409	20.4	371	54	-317
August	4,340	2,698	7,038	358	15.4	336	58	-278
September	4,341	2,928	7,269	253	9.6	298	74	-224
October	4,342	3,191	7,533	302	10.6	308	46	-262
November	4,344	3,155	7,499	453	16.9	137	168	31
December	4,326	2,730	7,056	554	25.5	83	519	436
Total	—	—	—	—	—	2,905	2,379	-526
1999								
January	4,327	2,094	6,421	381	22.2	55	678	623
February	4,312	1,792	6,104	372	26.2	62	395	333
March	4,361	1,430	5,792	246	20.7	84	381	297
April	4,355	1,514	5,869	131	9.5	203	112	-91
May	4,346	1,847	6,192	72	4.0	380	43	-337
June	4,344	2,157	6,501	54	2.6	345	40	-306
July	4,350	2,390	6,740	-27	-1.1	303	78	-225
August	4,342	2,632	6,974	-66	-2.4	309	70	-238
September	4,360	2,884	7,245	-43	-1.5	352	42	-310
October	4,360	3,026	7,386	-165	-5.2	238	90	-148
November	4,364	2,991	7,355	-164	-5.2	170	200	30
December	4,373	2,509	6,881	-221	-8.1	54	568	514
Total	—	—	—	—	—	2,555	2,697	141
2000								
January	4,363	1,725	6,088	-370	-17.6	48	829	780
February	4,371	1,300	5,672	-491	-27.4	78	532	454
March	4,364	1,150	5,514	-280	-19.6	132	294	162
April	4,363	1,184	5,547	-329	-21.8	181	145	-36
May	4,356	1,426	5,782	-420	-22.8	308	75	-232
June	4,355	1,706	6,061	-450	-20.9	339	67	-272
July	4,355	1,996	6,351	-394	-16.5	368	77	-290
August(STIFS)	^E 4,355	^{RE} 2,236	^{RE} 6,591	^{RE} -396	^{RE} -15.0	NA	NA	^E -240
September(STIFS)	^E 4,355	^E 2,546	^E 6,901	^E -339	^E -11.7	NA	NA	^E -310

^a Total as of December 31.^b Total underground storage capacity at the end of each calendar year (in billion cubic feet): 1994 - 8,043; 1995 - 7,927; 1996 - 8,159; 1997 - 8,128; and 1998 - 8,179.^c Negative numbers indicate the volume of injections in excess of withdrawals. Positive numbers indicate the volume of withdrawals in excess of injections.^E Estimated Data.^{RE} Revised Estimated Data.

NA Not Available.

— Not Applicable.

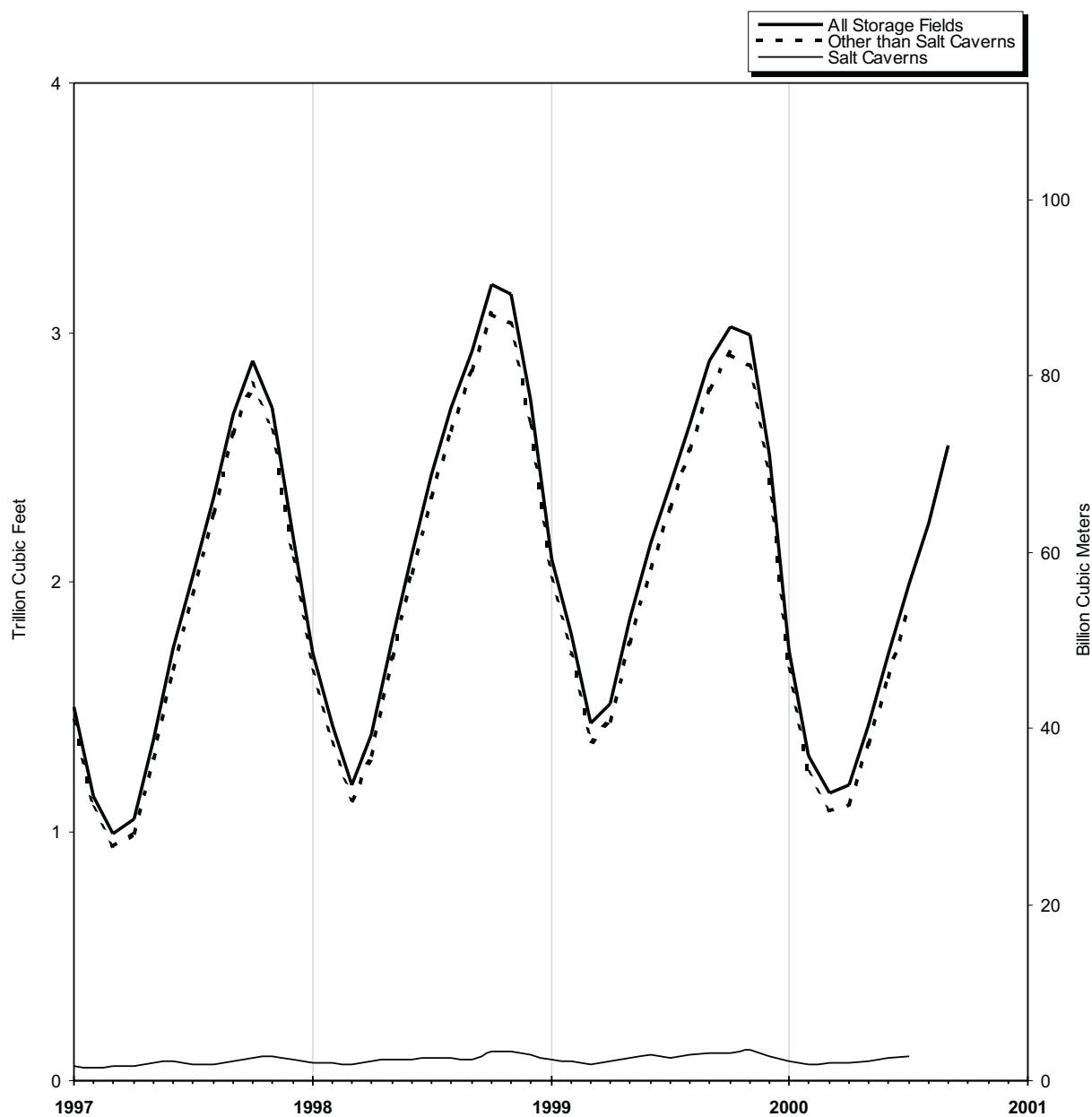
Notes: Data for 1994 through 1998 are final. All other data are

preliminary unless otherwise noted. Estimates for the most recent two months are derived from the Short-Term Integrated Forecasting System (STIFS). See Explanatory Note 7 for discussion of revision policy. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia.

Sources: Form EIA-191, "Monthly Underground Gas Storage Report," Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition," and STIFS.

Figure 5

Figure 5. Working Gas in Underground Natural Gas Storage in the U.S., 1997-2000



Sources: Energy Information Administration, Form EIA-191, "Monthly Underground Gas Storage Report," and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Table 10. Underground Natural Gas Storage - by Season, 1997-2000

(Volumes in Billion Cubic Feet)

Year, Season and Month	Natural Gas in Underground Storage at End of Period			Change In Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals	Net Withdrawals ^a
October 1997	4,358	2,886	7,244	75	2.7	294	84	-210
1997-1998 Heating Season								
November	4,359	2,699	7,058	150	5.9	113	302	189
December	4,350	2,175	6,525	2	0.1	45	579	533
January	4,347	1,712	6,060	215	14.5	69	538	468
February	4,342	1,426	5,768	286	25.2	75	365	291
March	4,342	1,183	5,524	192	19.4	136	382	246
Total	—	—	—	—	—	438	2,165	1,727
1998 Refill Season								
April	4,339	1,386	5,725	334	31.9	280	80	-200
May	4,341	1,774	6,114	407	29.9	433	42	-391
June	4,335	2,114	6,449	381	22.1	379	52	-327
July	4,378	2,428	6,806	409	20.4	371	54	-317
August	4,340	2,698	7,038	358	15.4	336	58	-278
September	4,341	2,928	7,269	253	9.6	298	74	-224
October	4,342	3,191	7,533	302	10.6	308	46	-262
Total	—	—	—	—	—	2,405	407	-1,998
1998-1999 Heating Season								
November	4,344	3,155	7,499	453	16.9	137	168	31
December	4,326	2,730	7,056	554	25.5	83	519	436
January	4,327	2,094	6,421	381	22.2	55	678	623
February	4,312	1,792	6,104	372	26.2	62	395	333
March	^b 4,361	^b 1,430	5,792	246	20.7	84	381	297
Total	—	—	—	—	—	422	2,141	1,719
1999 Refill Season								
April	4,355	1,514	5,869	131	9.5	203	112	-91
May	4,346	1,847	6,192	72	4.0	380	43	-337
June	4,344	2,157	6,501	54	2.6	345	40	-306
July	4,350	2,390	6,740	-27	-1.1	303	78	-225
August	4,342	2,632	6,974	-66	-2.4	309	70	-238
September	4,360	2,884	7,245	-43	-1.5	352	42	-310
October	4,360	3,026	7,386	-165	-5.2	238	90	-148
Total	—	—	—	—	—	2,130	474	-1,656
1999-2000 Heating Season								
November	4,364	2,991	7,355	-164	-5.2	170	200	30
December	4,373	2,509	6,881	-221	-8.1	54	568	514
January	4,363	1,725	6,088	-370	-17.6	48	829	780
February	4,371	1,300	5,672	-491	-27.4	78	532	454
March	4,364	1,150	5,514	-280	-19.6	132	294	162
Total	—	—	—	—	—	482	2,423	1,940
2000 Refill Season								
April	4,363	1,184	5,547	-329	-21.8	181	145	-36
May	4,356	1,426	5,782	-420	-22.8	308	75	-232
June	4,355	1,706	6,061	-450	-20.9	339	67	-272
July	4,355	1,996	6,351	-394	-16.5	368	77	-290
August(STIFS)	^E 4,355	^{RE} 2,236	^{RE} 6,591	^{RE} -396	^{RE} -15.0	NA	NA	^E -240
September(STIFS)	^E 4,355	^E 2,546	^E 6,901	^E -339	^E -11.7	NA	NA	^E -310

^a Negative numbers indicate the volume of injections in excess of withdrawals. Positive numbers indicate the volume of withdrawals in excess of injections.

^b Reflects one respondent's reclassification of natural gas in underground storage from working gas to base gas.

^E Estimated Data.

^{RE} Revised Estimated Data.

^{NA} Not Available.

— Not Applicable.

Notes: Data for 1997 and 1998 are final. All other data are preliminary unless otherwise noted. Estimates for the most recent two months are derived from the Short-Term Integrated Forecasting System (STIFS). See Explanatory

Note 7 for discussion of revision policy. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia.

Sources: Form EIA-191, "Underground Natural Gas Storage Report," Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition," and STIFS.

Table 11

Table 11. Underground Natural Gas Storage - Salt Cavern Storage Fields, 1994 - 2000
(Volumes in Billion Cubic Feet)

Year and Month	Natural Gas in Salt Cavern Underground Storage at End of Period			Change in Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals	Net Withdrawals
1994 Total ^a	44	70	113	—	—	142	123	-19
1995 Total ^a	60	72	131	2	2.9	194	200	5
1996 Total ^a	64	85	149	14	18.8	258	246	-13
1997 Total ^a	67	83	150	-4	-3.0	267	274	6
1998								
January	67	69	136	10	21.6	18	31	13
February	66	69	135	18	39.1	18	21	3
March	68	64	131	8	13.8	23	29	6
April	68	80	149	22	38.7	30	12	-18
May	68	83	151	9	12.9	26	23	-3
June	66	83	149	3	4.1	21	23	2
July	66	91	157	25	38.0	26	18	-8
August	66	92	158	25	38.8	24	22	-2
September	67	83	151	5	7.4	24	33	9
October	67	116	183	22	24.4	45	12	-33
November	68	119	186	23	24.5	23	18	-5
December	67	104	171	21	26.0	18	33	15
Total	—	—	—	—	—	297	275	-22
1999								
January	69	84	153	14	19.6	19	41	22
February	67	77	144	10	14.3	15	20	5
March	67	68	135	4	6.0	18	26	8
April	67	77	144	-3	-3.8	27	18	-9
May	67	94	161	11	13.4	29	12	-17
June	65	102	167	19	22.6	21	15	-6
July	65	94	160	3	3.0	16	24	8
August	66	102	168	9	9.6	22	14	-8
September	66	113	179	29	35.0	23	13	-10
October	67	114	181	-1	-1.2	21	19	-1
November	67	122	189	4	3.4	21	17	-4
December	67	100	167	-4	-4.1	18	33	15
Total	—	—	—	—	—	249	253	4
2000								
January	68	75	143	-9	-10.4	15	49	34
February	69	66	135	-11	-14.4	23	21	-2
March	69	69	139	2	2.4	24	20	-4
April	70	74	144	-3	-3.8	24	19	-5
May	70	77	147	-17	-17.9	27	24	-3
June	70	89	160	-13	-12.6	28	15	-12
July	72	97	168	3	2.7	30	21	-9

^a Total as of December 31.

— Not Applicable.

Notes: Data for 1994 through 1998 are final. All other data are preliminary unless otherwise noted. See Explanatory Note 7 for discussion of the reporting of underground storage information. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due

to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia. Positive net withdrawals indicate the volume of withdrawals in excess of injections. Negative net withdrawals indicate the volume of injections in excess of withdrawals.

Sources: Form EIA-191, "Monthly Underground Gas Storage Report," and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Table 12. Underground Natural Gas Storage - Storage Fields Other than Salt Caverns, 1994-2000

(Volumes in Billion Cubic Feet)

Year and Month	Natural Gas in Non-Salt Cavern Underground Storage at End of Period			Change in Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals	Net Withdrawals
1994 Total ^a	4,317	2,536	6,853	—	—	2,654	2,385	-269
1995 Total ^a	4,290	2,082	6,371	-455	-17.9	2,372	2,774	403
1996 Total ^a	4,277	2,087	6,364	6	0.3	2,647	2,665	18
1997 Total ^a	4,283	2,092	6,375	4	0.2	2,533	2,551	18
1998								
January	4,281	1,643	5,923	203	14.2	51	507	456
February	4,276	1,357	5,633	267	24.5	57	344	287
March	4,274	1,119	5,393	184	19.8	113	353	240
April	4,271	1,306	5,576	312	31.5	250	68	-182
May	4,272	1,691	5,963	398	30.9	407	20	-387
June	4,269	2,030	6,300	378	23.0	358	29	-329
July	4,312	2,337	6,649	385	19.8	345	36	-309
August	4,274	2,606	6,880	332	14.7	312	37	-275
September	4,273	2,844	7,118	247	9.6	274	41	-233
October	4,275	3,076	7,350	280	10.1	263	34	-229
November	4,276	3,036	7,313	430	16.6	114	150	36
December	4,259	2,626	6,884	532	25.5	64	485	421
Total	—	—	—	—	—	2,608	2,103	-504
1999								
January	4,257	2,010	6,268	367	22.4	37	638	601
February	4,245	1,714	5,960	363	26.8	47	375	328
March	4,294	1,363	5,657	242	21.6	67	355	289
April	4,288	1,437	5,725	134	10.3	175	94	-81
May	4,279	1,753	6,031	61	3.6	351	31	-320
June	4,279	2,055	6,333	35	1.7	324	24	-300
July	4,285	2,296	6,581	-30	-1.3	287	54	-233
August	4,276	2,530	6,806	-75	-2.9	287	56	-231
September	4,294	2,772	7,066	-73	-2.5	329	29	-300
October	4,293	2,912	7,205	-164	-5.3	217	70	-147
November	4,297	2,869	7,166	-168	-5.5	149	183	34
December	4,306	2,409	6,715	-217	-8.3	36	535	499
Total	—	—	—	—	—	2,306	2,444	138
2000								
January	4,295	1,649	5,944	-361	-17.9	33	779	746
February	4,302	1,234	5,537	-480	-28.0	55	511	455
March	4,295	1,080	5,375	-282	-20.7	109	274	166
April	4,293	1,110	5,403	-326	-22.7	156	126	-30
May	4,285	1,349	5,635	-403	-23.0	280	51	-229
June	4,284	1,617	5,902	-437	-21.3	312	52	-260
July	4,284	1,899	6,183	-397	-17.3	338	56	-282

^a Total as of December 31.

— Not Applicable.

Notes: Data for 1994 through 1998 are final. All other data are preliminary unless otherwise noted. See Explanatory Note 7 for discussion of the reporting of underground storage information. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due

to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia. Positive net withdrawals indicate the volume of withdrawals in excess of injections. Negative net withdrawals indicate the volume of injections in excess of withdrawals.

Sources: Form EIA-191, "Monthly Underground Gas Storage Report," and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Table 13

Table 13. Net Withdrawals from Underground Storage, by State, 1998-2000
 (Volumes in Million Cubic Feet)

State	2000						
	July	June	May	April	March	February	January
Alabama	-82	-594	-90	66	-8	-307	916
Arkansas	-649	-444	-698	-287	997	1,228	1,722
California	445	-6,789	-10,967	-19,885	-3,144	21,871	27,322
Colorado	-4,625	-4,611	-751	1,382	6,707	3,627	6,198
Illinois	-28,764	-33,160	-13,295	13,190	8,776	34,403	59,032
Indiana	-2,234	-1,939	-258	1,350	2,031	1,448	7,049
Iowa	-10,921	-5,856	-4,399	1,706	5,207	11,385	21,126
Kansas	-9,930	-9,788	-6,106	2,275	11,548	9,643	25,461
Kentucky	-10,659	-6,185	-4,062	3,470	6,759	10,109	21,162
Louisiana	-23,151	-22,366	-4,878	9,828	19,976	38,771	52,444
Maryland	-2,002	-2,999	-2,480	-633	-65	3,384	5,481
Michigan	-49,908	-45,556	-48,446	-6,666	44,807	80,436	162,410
Minnesota	-343	-131	2	116	301	298	401
Mississippi	-5,252	-5,226	-4,057	527	-1,228	-595	11,377
Missouri	17	20	-25	103	-98	-548	1,122
Montana	-2,039	-456	522	621	2,164	3,191	4,177
Nebraska	-620	1,077	-78	-92	42	1,313	1,019
New Mexico	800	-794	-469	-2,587	208	1,034	1,032
New York	-10,087	-9,999	-8,663	-2,854	6,360	13,702	18,533
Ohio	-33,090	-21,527	-28,909	-5,163	24,219	36,569	58,844
Oklahoma	-2,413	-9,952	-9,562	-5,856	2,165	36,526	45,987
Oregon	-2,209	-2,043	-869	783	1,766	1,566	2,088
Pennsylvania	-52,073	-42,668	-52,902	-7,196	11,168	66,917	111,718
Tennessee	0	0	0	18	63	63	175
Texas	-1,272	-7,124	-2,892	-10,396	-9,237	34,595	54,376
Utah	-6,654	-5,712	-5,531	-4,447	3,012	7,585	10,093
Virginia	-214	-214	-278	-114	32	105	695
Washington	-3,739	-3,660	-2,639	-893	1,485	2,566	7,755
West Virginia	-28,215	-22,374	-18,051	-4,487	14,440	30,334	57,742
Wyoming	-517	-1,168	-1,590	507	1,332	2,373	2,935
AGA Regions							
Producing	-41,867	-55,693	-28,663	-6,496	24,430	121,202	192,398
Eastern Consuming	-228,850	-191,974	-181,936	-7,304	123,733	289,313	527,024
Western Consuming	-19,680	-24,570	-21,823	-21,815	13,622	43,076	60,969
Total	-290,397	-272,238	-232,422	-35,615	161,785	453,592	780,391

See footnotes at end of table.

Table 13. Net Withdrawals from Underground Storage, by State, 1998-2000

(Volumes in Million Cubic Feet) — Continued

State	1999						
	Total	December	November	October	September	August	July
Alabama	-164	189	-134	77	-402	-81	-235
Arkansas	233	1,276	423	-219	-237	-901	-1,116
California	-1,134	23,168	-4,713	-4,840	-9,773	2,919	-11,199
Colorado	-1,151	5,102	-875	-2,419	-4,873	-5,436	-6,692
Illinois	-492	38,144	2,249	-28,933	-38,601	-30,924	-23,880
Indiana	187	4,137	-2,154	-3,753	-4,225	-2,797	-1,681
Iowa	846	21,305	1,096	-10,941	-13,108	-12,914	-10,783
Kansas	16,997	22,749	979	-1,014	-14,496	-9,796	-3,006
Kentucky	2,256	10,764	2,283	-1,117	-10,052	-1,241	-3,773
Louisiana	-4,822	31,136	4,760	-12,129	-32,350	-3,569	-3,546
Maryland	-78	1,417	459	-3,376	-1,411	-1,954	1,324
Michigan	33,967	97,764	6,940	-21,286	-45,478	-50,880	-51,556
Minnesota	-253	147	-128	-175	-272	-250	-308
Mississippi	14,304	8,997	-2,641	1,133	-2,086	-1,088	852
Missouri	-557	341	-174	-205	-408	-64	6
Montana	8,194	2,673	1,189	519	-1,472	-2,542	-1,794
Nebraska	-294	491	-298	-477	-1,732	-1,004	478
New Mexico	-2,293	814	-1,202	-260	-2,232	-841	-172
New York	8,773	12,598	1,472	-938	-5,725	-6,853	-5,915
Ohio	15,699	43,488	8,486	-9,284	-25,111	-27,587	-27,798
Oklahoma	-10,508	15,213	-2,795	-11,483	-15,540	-1,222	-748
Oregon	-409	1,381	-592	0	-1,542	-1,313	-2,114
Pennsylvania	20,463	68,921	4,194	-19,002	-41,487	-37,841	-27,925
Tennessee	-28	164	56	-57	-105	-104	-76
Texas	387	38,053	-770	-11,096	-10,532	-7,923	-6,519
Utah	9,193	12,584	957	-1,889	-4,860	-4,582	-7,489
Virginia	129	467	182	-110	-418	-207	-209
Washington	-2,543	1,684	-38	-1,402	-402	-2,951	-3,595
West Virginia	35,234	46,582	10,697	-3,299	-20,378	-22,999	-23,517
Wyoming	-995	2,378	545	-306	-1,030	-1,371	-2,294
AGA Regions							
Producing	14,300	118,238	-1,246	-35,067	-77,473	-25,340	-14,255
Eastern Consuming	115,941	346,773	35,355	-102,700	-208,641	-197,450	-175,542
Western Consuming	10,902	49,118	-3,655	-10,511	-24,223	-15,526	-35,485
Total	141,142	514,128	30,454	-148,279	-310,337	-238,316	-225,282

See footnotes at end of table.

Table 13. Net Withdrawals from Underground Storage, by State, 1998-2000
 (Volumes in Million Cubic Feet) — Continued

State	1999					
	June	May	April	March	February	January
Alabama	-210	-471	-137	312	114	813
Arkansas	-1,086	-1,045	-667	690	1,049	2,066
California	-20,737	-27,111	-911	9,782	18,491	23,789
Colorado	-5,526	-307	8,881	3,319	3,684	3,990
Illinois	-24,188	-27,851	7,599	27,580	41,907	56,407
Indiana	-1,625	-758	921	3,622	2,942	5,558
Iowa	-6,837	-4,596	86	5,170	11,814	20,553
Kansas	-17,080	-12,144	5,085	13,977	9,273	22,470
Kentucky	-10,131	-8,328	-2,297	6,081	7,825	12,241
Louisiana	-19,988	-22,324	-16,632	10,263	15,966	43,591
Maryland	93	-2,551	-667	1,208	1,982	3,399
Michigan	-51,441	-49,536	-23,148	53,123	57,189	112,276
Minnesota	-172	0	214	167	238	287
Mississippi	-3,642	-5,105	-2,240	6,840	3,303	9,981
Missouri	6	-697	-27	150	343	170
Montana	-1,784	-568	1,329	2,410	3,375	4,860
Nebraska	-697	-701	1,168	1,338	442	698
New Mexico	-443	-1,371	1,025	943	83	1,364
New York	-6,909	-9,935	-5,300	10,688	10,057	15,534
Ohio	-27,954	-33,732	-5,317	33,698	33,362	53,448
Oklahoma	-9,556	-14,068	-8,791	8,079	-881	31,284
Oregon	-2,013	168	735	1,185	1,717	1,979
Pennsylvania	-36,090	-44,102	-24,525	44,023	50,445	83,851
Tennessee	-107	-143	3	80	131	130
Texas	-21,602	-30,819	-15,510	14,152	9,654	43,297
Utah	-5,915	-3,772	1,667	5,738	6,185	10,569
Virginia	-211	-273	-184	325	449	317
Washington	-1,765	-786	1,852	1,113	3,144	603
West Virginia	-26,426	-32,000	-13,958	30,271	36,278	53,983
Wyoming	-1,661	-2,132	-990	352	2,050	3,464
AGA Regions						
Producing	-73,397	-86,875	-37,730	54,944	38,447	154,055
Eastern Consuming	-192,727	-215,674	-65,782	217,668	255,282	419,379
Western Consuming	-39,575	-34,509	12,778	24,066	38,885	49,540
Total	-305,699	-337,059	-90,735	296,678	332,615	622,974

See footnotes at end of table.

Table 13. Net Withdrawals from Underground Storage, by State, 1998-2000

(Volumes in Million Cubic Feet) — Continued

State	1998						
	Total	December	November	October	September	August	July
Alabama	-447	139	-1	-613	401	-200	9
Arkansas	-1,774	1,245	63	-580	-817	-1,005	-1,034
California	-40,969	30,486	-14,022	-23,861	-5,931	-7,171	-9,351
Colorado	-5,072	7,324	-1,757	-2,045	-5,894	-5,866	-4,055
Illinois	-9,780	42,407	9,311	-30,361	-39,382	-32,631	-25,975
Indiana	-921	4,063	-2,296	-2,901	-4,532	-4,058	-2,987
Iowa	-2,954	20,920	-178	-7,251	-12,282	-10,097	-14,097
Kansas	-18,691	14,533	3,580	-8,545	-9,036	-11,957	-12,830
Kentucky	-11,700	10,352	1,731	-5,424	-4,214	-7,859	-11,061
Louisiana	-82,860	38,463	1,355	-36,341	-9,007	-20,195	-25,554
Maryland	-876	1,882	29	-1,312	-809	-1,413	-2,954
Michigan	-74,840	60,982	18,759	-27,000	-30,308	-52,147	-60,115
Minnesota	372	438	-84	-187	-275	-284	-289
Mississippi	-10,185	5,464	702	-10,304	268	-4,119	-6,008
Missouri	173	573	-204	-208	-414	-203	8
Montana	-400	3,962	2,606	-1,532	-4,239	-4,524	-2,294
Nebraska	1,466	1,336	625	-308	-778	-524	-727
New Mexico	-6,479	-619	-1,243	-1,903	-470	-919	-429
New York	-10,656	6,889	1,047	-4,424	-5,650	-5,731	-7,931
Ohio	-26,672	35,491	7,882	-12,789	-19,356	-27,403	-31,408
Oklahoma	-48,008	24,711	106	-19,358	-12,262	-7,283	-7,570
Oregon	-1,278	1,329	49	9	-1,141	-1,143	-1,188
Pennsylvania	-40,009	46,685	858	-20,516	-28,003	-19,997	-33,256
Tennessee	-62	131	-2	-103	-102	-112	-134
Texas	-102,117	36,724	-2,512	-34,274	-4,692	-12,193	-20,397
Utah	676	6,533	2,087	-1,821	-3,970	-3,554	-3,497
Virginia	-510	371	47	-204	-244	-322	-185
Washington	-539	3,223	-732	718	-1,825	-3,645	-313
West Virginia	-28,267	27,238	3,983	-6,935	-16,431	-29,122	-28,626
Wyoming	-2,719	2,677	-590	-1,425	-2,614	-2,007	-2,807
AGA Regions							
Producing	-270,114	120,522	2,052	-111,305	-36,017	-57,671	-73,822
Eastern Consuming	-206,056	259,459	41,592	-120,349	-162,103	-191,819	-219,439
Western Consuming	-49,929	55,973	-12,444	-30,145	-25,888	-28,194	-23,795
Total	-526,099	435,953	31,200	-261,799	-224,007	-277,684	-317,056

Notes: This table contains total net withdrawals for each State with natural gas storage facilities. Positive numbers indicate the volume of withdrawals in excess of injections. Negative values indicate the volume of injections in excess of withdrawals. Data through 1998 are final. All other data are preliminary at this time and are not considered final until publication of the *Natural Gas Annual* for that year. The American Gas Association (AGA) publishes weekly estimates of working gas levels in underground storage by

region. AGA defines the Producing Region as Texas, Oklahoma, Kansas, New Mexico, Louisiana, Arkansas, and Mississippi; the Eastern Consuming Region as all States east of the Mississippi River less Mississippi, plus Iowa, Nebraska and Missouri; the Western Consuming Region as all States west of the Mississippi River less the Producing Region and Iowa, Nebraska and Missouri.

Source: Form EIA-191, "Monthly Underground Gas Storage Report."

Table 14

Table 14. Activities of Underground Natural Gas Storage Operators, by State,

July 2000

(Volumes in Million Cubic Feet)

State	Total Storage Capacity	Natural Gas in Underground Storage at End of Period			Change in Working Gas from Same Period Previous Year		Storage Activity	
		Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals
Alabama	3,280	1,190	1,890	3,080	462	32.4	166	84
Arkansas	24,191	8,715	5,477	14,192	-2,127	-28.0	651	3
California	388,370	246,825	160,136	406,961	-15,609	-8.9	8,172	8,616
Colorado	99,600	48,229	28,423	76,652	849	3.1	5,199	574
Illinois	898,565	675,870	146,094	821,964	-10,178	-6.5	30,881	2,117
Indiana	113,210	73,873	23,505	97,379	864	3.8	2,253	19
Iowa	273,200	196,700	28,473	225,173	-1,713	-5.7	11,137	216
Kansas	301,102	179,218	54,543	233,761	-20,642	-27.5	14,636	4,706
Kentucky	219,908	109,111	71,187	180,298	-20,290	-22.2	10,773	115
Louisiana	564,062	271,615	129,531	401,146	-83,868	-39.3	32,886	9,735
Maryland	62,000	46,677	12,213	58,891	4,161	51.7	2,480	478
Michigan	1,071,699	467,812	374,247	842,059	-53,893	-12.6	58,431	8,523
Minnesota	7,000	4,623	1,540	6,163	35	2.3	343	0
Mississippi	134,012	76,839	42,137	118,977	6	0.0	7,602	2,350
Missouri	31,274	21,600	9,239	30,839	-81	-0.9	0	17
Montana	371,510	167,347	30,205	197,552	-8,455	-21.9	2,913	873
Nebraska	39,469	30,398	2,139	32,537	1,645	333.3	912	292
New Mexico	96,600	29,766	9,229	38,995	1,363	17.3	1,046	1,845
New York	175,129	96,737	55,361	152,098	-1,232	-2.2	10,379	292
Ohio	575,384	349,691	119,351	469,042	-10,145	-7.8	33,512	422
Oklahoma	394,827	209,466	80,952	290,418	-43,317	-34.9	11,386	8,973
Oregon	11,623	6,834	6,484	13,318	984	17.9	2,209	0
Pennsylvania	684,842	352,715	254,170	606,885	-12,287	-4.6	55,243	3,170
Tennessee	1,200	340	371	711	-197	-34.7	0	0
Texas	684,226	249,622	185,961	435,582	-87,745	-32.1	24,535	23,262
Utah	121,980	64,595	31,358	95,954	-343	-1.1	6,711	58
Virginia	4,669	2,094	2,066	4,160	425	25.9	214	0
Washington	37,300	19,000	15,589	34,589	5,061	48.1	3,907	169
West Virginia	733,158	287,141	95,172	382,313	-34,552	-26.6	28,545	329
Wyoming	105,869	60,762	18,862	79,624	-3,623	-16.1	564	47
AGA Regions								
Producing	2,199,020	1,025,240	507,830	1,533,070	-236,330	-31.8	92,741	50,873
Eastern Consuming	4,886,987	2,711,949	1,195,478	3,907,427	-137,010	-10.3	244,925	16,074
Western Consuming	1,143,251	618,216	292,597	910,812	-21,101	-6.7	30,017	10,337
Total	8,229,259	4,355,405	1,995,905	6,351,310	-394,442	-16.5	367,682	77,285

Notes: Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia. The American Gas Association (AGA) publishes weekly estimates of working

gas levels in underground storage by region. AGA defines the Producing Region as Texas, Oklahoma, Kansas, New Mexico, Louisiana, Arkansas, and Mississippi; the Eastern Consuming Region as all States east of the Mississippi River less Mississippi, plus Iowa, Nebraska and Missouri; the Western Consuming Region as all States west of the Mississippi River less the Producing Region and Iowa, Nebraska and Missouri.

Source: Form EIA-191, "Monthly Underground Gas Storage Report."

Table 15. Natural Gas Deliveries to Residential Consumers, by State, 1998-2000
 (Million Cubic Feet)

State	YTD 2000	YTD 1999	YTD 1998	2000		
				June	May	April
Alabama	29,665	29,330	34,717	1,351	2,267	3,391
Alaska	8,745	9,780	8,285	645	864	1,233
Arizona	21,506	22,301	25,378	1,245	1,596	2,814
Arkansas	NA	25,871	27,167	NA	NA	NA
California	293,224	369,370	345,929	27,655	31,747	39,017
Colorado	NA	75,848	74,055	NA	NA	NA
Connecticut	26,957	25,710	23,361	1,270	2,244	3,216
Delaware	6,572	6,341	5,524	294	655	985
District of Columbia	9,820	9,903	9,100	470	717	1,232
Florida	9,023	8,142	9,437	836	973	1,140
Georgia	NA	NA	69,862	NA	4,803	8,727
Hawaii	284	274	286	45	47	46
Idaho	11,305	11,745	10,387	621	892	1,663
Illinois	257,222	275,003	250,005	12,058	15,622	35,416
Indiana	NA	NA	91,213	NA	6,240	12,785
Iowa	42,391	46,920	44,537	1,611	2,658	5,392
Kansas	45,536	NA	48,537	1,917	3,099	5,994
Kentucky	34,882	36,937	34,401	1,131	1,424	4,135
Louisiana	27,854	28,368	33,018	1,798	1,986	3,693
Maine	NA	571	547	NA	NA	89
Maryland	50,928	NA	43,826	2,233	3,313	6,430
Massachusetts	NA	NA	68,222	NA	NA	NA
Michigan	224,292	232,844	210,054	9,582	18,230	32,413
Minnesota	NA	74,461	66,618	3,369	4,940	9,700
Mississippi	NA	NA	17,790	805	1,147	NA
Missouri	68,065	79,567	77,990	2,178	4,816	9,181
Montana	11,130	11,985	11,459	590	947	1,514
Nebraska	26,603	27,523	28,609	977	1,426	4,515
Nevada	NA	18,453	19,181	1,184	1,568	2,027
New Hampshire	4,826	4,512	4,184	293	451	641
New Jersey	NA	NA	130,044	NA	NA	NA
New Mexico	19,313	20,259	21,339	1,646	1,163	3,438
New York	NA	NA	218,469	NA	NA	NA
North Carolina	40,602	37,418	36,828	1,510	2,265	4,531
North Dakota	NA	7,080	6,542	333	502	929
Ohio	201,103	207,136	185,028	7,670	13,488	27,892
Oklahoma	39,351	44,033	48,539	1,821	2,683	5,193
Oregon	24,706	25,442	21,859	1,537	2,322	3,493
Pennsylvania	NA	159,695	141,243	NA	NA	NA
Rhode Island	16,344	11,656	11,188	715	1,279	1,812
South Carolina	18,499	17,642	18,932	576	1,140	1,917
South Dakota	7,246	7,815	7,538	333	573	1,059
Tennessee	NA	NA	42,083	NA	2,544	4,625
Texas	134,775	111,220	133,193	6,864	8,138	14,250
Utah	28,419	30,949	32,188	1,494	1,809	2,967
Vermont	1,928	1,781	1,624	110	179	268
Virginia	47,678	NA	41,440	1,898	3,000	5,637
Washington	NA	NA	41,783	NA	NA	NA
West Virginia	NA	NA	19,936	749	1,902	2,496
Wisconsin	76,025	77,731	71,244	2,658	5,018	11,182
Wyoming	7,059	7,733	8,117	407	658	1,227
Total	2,965,784	3,039,803	2,932,836	151,609	222,761	391,939

See footnotes at end of table.

Table 15. Natural Gas Deliveries to Residential Consumers, by State, 1998-2000
(Million Cubic Feet) — Continued

State	2000			1999		
	March	February	January	Total	December	November
Alabama	4,694	9,492	8,470	43,592	5,881	3,137
Alaska	1,764	1,885	2,354	17,634	2,466	2,127
Arizona	4,430	4,618	6,804	32,827	4,643	1,682
Arkansas	NA	NA	NA	NA	4,645	NA
California	62,814	65,301	66,689	568,355	65,661	34,480
Colorado	NA	NA	NA	113,871	15,043	8,328
Connecticut	5,018	7,692	7,516	38,023	4,781	3,046
Delaware	1,178	1,661	1,800	8,845	1,114	575
District of Columbia	1,691	3,013	2,698	NA	988	1,028
Florida	1,631	2,360	2,084	13,527	1,526	944
Georgia	11,080	17,688	26,740	NA	20,953	11,967
Hawaii	48	49	48	524	42	36
Idaho	2,210	2,602	3,317	17,870	2,508	1,526
Illinois	45,616	63,987	84,522	445,054	73,446	38,561
Indiana	NA	NA	30,851	NA	22,815	11,612
Iowa	7,679	10,990	14,061	71,541	10,649	5,611
Kansas	8,529	12,303	13,693	NA	9,572	4,233
Kentucky	6,224	8,287	13,682	59,662	10,875	5,456
Louisiana	4,355	7,622	8,400	44,525	5,696	3,249
Maine	123	133	202	NA	151	95
Maryland	8,673	14,316	15,964	NA	10,623	6,241
Massachusetts	NA	NA	NA	NA	NA	NA
Michigan	42,048	58,759	63,259	349,334	47,305	29,664
Minnesota	12,806	NA	NA	NA	NA	NA
Mississippi	2,481	4,931	5,121	NA	3,161	1,650
Missouri	12,838	17,895	21,157	112,803	14,561	6,894
Montana	2,231	2,729	3,119	19,684	2,842	1,983
Nebraska	5,735	6,728	7,223	40,412	5,117	2,727
Nevada	3,711	3,861	NA	28,924	4,420	2,008
New Hampshire	938	1,274	1,229	6,626	783	563
New Jersey	NA	NA	32,352	NA	NA	NA
New Mexico	3,447	4,437	5,183	35,753	6,304	4,107
New York	NA	NA	NA	NA	NA	NA
North Carolina	7,685	13,396	11,216	53,069	6,933	3,954
North Dakota	1,323	1,698	NA	NA	NA	960
Ohio	37,454	52,516	62,083	NA	46,581	27,730
Oklahoma	7,170	11,476	11,008	62,023	7,527	3,631
Oregon	5,032	5,678	6,643	37,974	5,309	3,060
Pennsylvania	29,809	NA	48,155	240,754	34,006	19,778
Rhode Island	2,581	7,100	2,857	16,601	1,736	1,227
South Carolina	2,877	6,438	5,552	25,708	3,805	2,096
South Dakota	1,360	1,772	2,149	11,766	1,628	918
Tennessee	6,488	12,515	14,395	NA	6,612	4,257
Texas	17,287	31,342	56,893	167,593	21,575	10,810
Utah	6,792	7,038	8,319	55,474	9,614	5,321
Vermont	396	510	465	2,585	296	214
Virginia	8,520	13,778	14,846	NA	10,564	5,707
Washington	NA	NA	NA	NA	NA	NA
West Virginia	NA	NA	NA	NA	NA	NA
Wisconsin	13,084	18,644	25,439	127,909	21,789	11,462
Wyoming	1,441	1,666	1,661	11,926	1,525	879
Total	546,031	NA	886,287	NA	666,480	371,001

See footnotes at end of table.

Table 15. Natural Gas Deliveries to Residential Consumers, by State, 1998-2000
 (Million Cubic Feet) — Continued

State	1999					
	October	September	August	July	June	May
Alabama	1,594	1,212	1,151	1,287	1,387	1,914
Alaska	1,423	870	481	486	559	939
Arizona	1,165	1,006	963	1,065	1,352	2,109
Arkansas	1,238	980	952	998	1,030	1,641
California	25,260	24,491	23,371	25,721	32,952	40,596
Colorado	5,670	3,035	2,802	3,145	4,769	9,761
Connecticut	1,513	1,061	853	1,060	1,242	1,879
Delaware	278	169	168	201	254	497
District of Columbia	483	325	315	NA	399	687
Florida	738	709	709	759	802	841
Georgia	7,328	4,086	2,389	2,246	1,525	NA
Hawaii	44	41	41	45	43	44
Idaho	867	436	359	428	645	1,244
Illinois	26,429	12,550	9,093	9,972	11,127	15,873
Indiana	7,298	3,249	2,775	2,810	3,467	5,926
Iowa	3,470	1,833	1,233	1,825	1,597	3,082
Kansas	2,807	1,572	1,696	1,556	2,170	3,603
Kentucky	2,628	1,402	1,190	1,174	1,336	1,806
Louisiana	2,069	1,733	1,649	1,761	1,908	2,264
Maine	69	^27	25	22	26	40
Maryland	3,525	1,951	1,733	NA	2,172	NA
Massachusetts	NA	NA	NA	NA	NA	NA
Michigan	18,342	7,838	6,432	6,908	10,413	16,098
Minnesota	7,112	3,367	2,523	2,243	3,103	4,967
Mississippi	883	^717	690	784	813	1,063
Missouri	4,181	2,748	2,296	2,557	3,089	5,321
Montana	1,342	636	378	518	645	1,380
Nebraska	2,131	792	1,118	1,003	1,180	2,351
Nevada	1,214	958	926	945	1,240	1,853
New Hampshire	311	161	142	153	195	371
New Jersey	NA	NA	NA	NA	NA	NA
New Mexico	2,293	1,029	805	956	1,123	1,650
New York	NA	NA	NA	NA	NA	NA
North Carolina	1,684	1,037	924	1,118	1,316	2,605
North Dakota	662	301	197	232	266	627
Ohio	17,320	6,865	NA	6,624	7,972	12,577
Oklahoma	2,219	1,513	1,444	1,657	1,923	3,079
Oregon	1,592	921	811	839	1,635	2,754
Pennsylvania	11,580	5,776	4,808	5,112	6,518	11,260
Rhode Island	691	445	399	448	557	949
South Carolina	737	488	448	492	570	1,195
South Dakota	607	300	224	274	324	629
Tennessee	1,936	1,526	1,162	1,066	1,422	NA
Texas	6,857	5,848	5,300	5,982	6,729	8,323
Utah	3,567	2,285	1,484	2,254	1,648	2,663
Vermont	124	59	57	56	77	159
Virginia	2,928	1,488	1,404	1,524	1,605	NA
Washington	NA	NA	NA	NA	NA	NA
West Virginia	1,349	688	NA	533	656	NA
Wisconsin	7,988	3,442	2,821	2,675	3,272	5,018
Wyoming	746	508	226	310	497	1,095
Total	233,006	^136,676	116,994	127,422	153,857	233,261

See footnotes at end of table.

Table 15. Natural Gas Deliveries to Residential Consumers, by State, 1998-2000
(Million Cubic Feet) — Continued

State	1999				1998	
	April	March	February	January	Total	December
Alabama	3,979	6,535	6,297	9,218	46,544	4,447
Alaska	1,315	2,075	2,223	2,668	15,617	2,183
Arizona	3,319	3,694	5,415	6,411	36,100	4,666
Arkansas	3,732	5,157	5,260	9,049	38,190	4,550
California	62,112	67,403	77,973	88,334	549,931	68,831
Colorado	10,816	13,735	15,467	21,300	110,839	14,812
Connecticut	3,623	5,780	6,082	7,104	35,329	4,442
Delaware	989	1,574	1,469	1,560	7,755	895
District of Columbia	1,269	2,324	2,309	2,915	13,249	1,563
Florida	1,217	1,651	1,500	2,130	14,102	1,127
Georgia	4,937	11,239	13,564	17,037	107,398	15,049
Hawaii	46	44	48	49	535	44
Idaho	1,875	2,257	2,633	3,090	16,002	2,438
Illinois	31,264	61,443	61,466	93,829	409,812	63,990
Indiana	NA	NA	NA	32,227	140,122	20,031
Iowa	5,544	9,861	10,655	16,180	68,901	10,514
Kansas	6,284	NA	NA	NA	70,217	8,767
Kentucky	4,113	9,268	8,782	11,632	55,545	9,289
Louisiana	3,754	5,450	5,871	9,121	47,574	4,987
Maine	76	131	133	165	910	132
Maryland	6,125	NA	NA	14,660	68,057	9,224
Massachusetts	NA	NA	17,836	12,570	102,062	12,366
Michigan	31,611	53,870	52,118	68,735	319,701	42,328
Minnesota	8,560	15,337	17,086	25,409	110,449	18,639
Mississippi	NA	3,299	3,016	5,463	24,847	2,556
Missouri	9,692	16,624	18,572	26,270	110,779	13,873
Montana	1,894	2,114	2,494	3,457	19,172	2,931
Nebraska	3,735	5,726	5,954	8,576	40,771	4,230
Nevada	2,718	3,349	4,332	4,962	30,023	4,335
New Hampshire	672	991	1,036	1,246	6,267	739
New Jersey	NA	NA	NA	NA	196,658	25,091
New Mexico	2,431	4,439	4,092	6,524	35,877	7,299
New York	NA	NA	NA	NA	339,512	41,937
North Carolina	5,341	9,456	7,485	11,215	50,786	5,735
North Dakota	984	1,318	1,565	2,320	10,092	1,427
Ohio	26,862	51,348	49,202	59,175	296,576	43,384
Oklahoma	6,228	8,399	9,446	14,958	66,521	7,513
Oregon	3,888	5,047	5,783	6,336	34,417	5,555
Pennsylvania	21,700	37,498	36,752	45,967	217,929	29,772
Rhode Island	1,702	2,704	2,662	3,083	16,461	1,883
South Carolina	2,226	4,375	3,588	5,687	25,430	2,818
South Dakota	1,140	1,486	1,719	2,516	11,646	1,669
Tennessee	NA	7,650	8,927	14,795	59,386	8,043
Texas	14,678	18,993	22,662	39,835	199,454	28,302
Utah	5,267	5,425	7,725	8,220	56,843	9,846
Vermont	284	377	387	496	2,454	289
Virginia	5,135	11,359	11,272	13,064	63,186	9,067
Washington	NA	NA	NA	NA	61,936	7,989
West Virginia	NA	NA	4,946	6,230	29,664	3,974
Wisconsin	9,062	16,429	17,018	26,931	115,946	18,710
Wyoming	1,225	1,313	1,674	1,929	12,702	1,636
Total	416,086	657,969	679,258	899,373	4,520,276	615,913

^R Revised Data.

NA Not Available.

Notes: Geographic coverage is the 50 States and the District of Columbia.
See Appendix A, Explanatory Note 5 for discussion of computations and

revision policy.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 1998-2000
 (Million Cubic Feet)

State	YTD 2000	YTD 1999	YTD 1998	2000		
				June	May	April
Alabama	15,085	15,770	17,182	1,202	1,472	1,989
Alaska	11,133	14,462	14,273	844	1,477	1,688
Arizona	18,357	18,326	18,793	2,144	2,327	2,877
Arkansas	NA	NA	17,911	NA	NA	NA
California	124,999	152,096	128,940	15,268	17,080	19,106
Colorado	NA	NA	40,213	NA	NA	NA
Connecticut	27,437	27,982	24,765	2,271	3,341	3,783
Delaware	3,354	4,182	3,722	229	354	502
District of Columbia	10,708	11,533	10,755	985	1,347	1,717
Florida	26,162	20,733	21,104	3,580	3,924	4,240
Georgia	NA	NA	34,835	NA	1,738	3,152
Hawaii	897	885	891	151	148	146
Idaho	7,701	7,947	7,243	545	672	1,120
Illinois	111,475	114,614	104,781	6,371	8,308	15,383
Indiana	NA	NA	44,896	NA	3,641	6,486
Iowa	25,992	28,175	26,630	1,316	2,561	3,336
Kansas	39,642	NA	27,742	3,903	4,409	5,658
Kentucky	22,244	22,105	19,793	1,181	1,529	2,569
Louisiana	12,183	14,145	14,821	1,346	1,493	1,821
Maine	NA	1,562	1,480	NA	NA	104
Maryland	35,634	NA	33,870	2,799	3,752	5,006
Massachusetts	NA	NA	60,090	NA	NA	NA
Michigan	112,284	112,565	102,339	6,852	10,284	16,304
Minnesota	NA	53,977	48,432	2,934	4,057	7,529
Mississippi	NA	NA	12,826	992	1,296	NA
Missouri	38,382	41,736	40,632	2,305	3,115	4,659
Montana	7,987	7,494	7,563	547	773	1,124
Nebraska	17,197	18,567	18,814	1,325	1,536	2,418
Nevada	13,709	12,841	14,084	1,628	1,772	1,975
New Hampshire	NA	NA	4,337	NA	NA	728
New Jersey	NA	NA	87,681	NA	NA	NA
New Mexico	15,577	18,135	16,396	1,965	1,892	1,576
New York	NA	NA	194,296	35,054	NA	NA
North Carolina	25,897	24,293	23,471	1,900	1,926	2,972
North Dakota	NA	6,711	6,201	358	517	1,069
Ohio	111,952	108,042	98,607	5,712	8,913	15,017
Oklahoma	20,915	25,179	29,068	1,249	2,001	2,895
Oregon	17,361	18,126	15,463	1,416	1,876	2,372
Pennsylvania	NA	88,494	80,130	8,570	NA	R11,394
Rhode Island	8,322	7,571	7,318	548	738	1,321
South Carolina	12,352	11,923	12,111	1,168	1,356	1,644
South Dakota	5,907	6,210	5,869	334	528	716
Tennessee	NA	33,170	32,928	NA	2,515	3,885
Texas	105,545	105,513	87,651	11,059	15,377	14,437
Utah	16,581	17,612	18,017	952	1,237	1,990
Vermont	1,680	1,575	1,811	102	161	227
Virginia	37,544	35,818	35,519	3,343	3,911	5,279
Washington	NA	NA	28,789	NA	NA	NA
West Virginia	16,396	15,969	14,576	1,303	1,760	2,192
Wisconsin	47,406	52,066	47,436	2,395	3,675	6,681
Wyoming	5,870	5,822	6,203	438	598	889
Total	1,873,209	1,833,139	1,773,298	166,210	204,889	R255,514

See footnotes at end of table.

Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 1998-2000
 (Million Cubic Feet) — Continued

State	2000			1999		
	March	February	January	Total	December	November
Alabama	2,485	4,156	3,783	28,887	3,372	2,598
Alaska	2,242	2,070	2,812	27,122	3,432	2,998
Arizona	3,496	3,414	4,098	31,242	3,448	2,220
Arkansas	NA	NA	NA	NA	1,176	NA
California	23,659	23,459	26,427	262,681	22,066	18,795
Colorado	NA	NA	NA	NA	7,790	4,949
Connecticut	5,601	7,072	5,370	47,328	5,281	3,890
Delaware	453	874	942	6,029	635	388
District of Columbia	2,045	2,274	2,340	NA	745	1,301
Florida	4,580	4,816	5,023	36,308	3,360	2,920
Georgia	3,971	6,448	8,848	NA	6,831	4,055
Hawaii	150	149	153	1,749	147	145
Idaho	1,486	1,722	2,156	12,624	1,668	1,029
Illinois	19,454	27,375	34,585	187,862	26,945	15,072
Indiana	NA	NA	NA	NA	NA	NA
Iowa	4,411	6,245	8,123	44,813	6,400	3,271
Kansas	7,180	8,706	9,786	NA	4,675	2,480
Kentucky	3,778	6,411	6,775	NA	5,357	2,931
Louisiana	1,923	2,796	2,804	23,724	2,098	1,939
Maine	NA	341	522	2,576	353	247
Maryland	6,603	8,382	NA	NA	7,058	4,901
Massachusetts	NA	NA	NA	NA	NA	NA
Michigan	21,785	26,708	30,349	175,362	22,733	14,306
Minnesota	9,700	12,925	NA	89,025	12,542	7,993
Mississippi	1,889	3,051	4,032	NA	2,405	1,686
Missouri	7,275	10,534	10,494	63,897	7,760	3,964
Montana	1,540	1,850	2,152	NA	1,576	1,101
Nebraska	3,288	4,106	4,524	NA	3,012	1,787
Nevada	2,632	2,517	3,184	22,448	2,671	1,768
New Hampshire	NA	1,270	1,317	NA	901	616
New Jersey	NA	NA	25,628	NA	NA	NA
New Mexico	3,042	3,255	3,847	29,816	3,809	2,380
New York	NA	NA	NA	NA	NA	NA
North Carolina	4,856	7,698	6,545	38,899	4,516	2,935
North Dakota	1,191	1,541	NA	NA	NA	913
Ohio	22,401	28,924	30,984	NA	22,376	14,754
Oklahoma	3,866	5,725	5,179	38,315	3,488	2,622
Oregon	3,466	3,833	4,399	28,340	3,269	2,256
Pennsylvania	NA	NA	NA	NA	NA	NA
Rhode Island	16,034	NA	24,866	143,660	19,024	13,226
South Carolina	NA	NA	NA	NA	NA	NA
South Dakota	1,344	1,367	1,617	9,578	1,228	736
Tennessee	4,643	8,850	10,255	53,012	5,515	3,988
Texas	16,026	21,581	27,066	187,948	19,076	15,141
Utah	3,890	3,901	4,611	30,361	4,901	2,725
Vermont	337	428	425	2,409	258	209
Virginia	6,571	9,058	9,381	59,723	7,458	5,005
Washington	NA	NA	NA	NA	NA	NA
West Virginia	3,372	3,862	3,907	NA	NA	2,474
Wisconsin	8,525	11,346	14,784	NA	NA	NA
Wyoming	1,439	1,173	1,334	9,262	1,166	776
Total	NA	NA	NA	NA	NA	NA
Total	359,416	423,189	463,990	3,054,527	360,689	254,500

See footnotes at end of table.

Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 1998-2000
 (Million Cubic Feet) — Continued

State	1999					
	October	September	August	July	June	May
Alabama	2,176	1,711	1,635	1,626	1,628	1,505
Alaska	2,185	1,520	1,311	1,213	1,326	1,759
Arizona	1,910	1,809	1,683	1,846	2,155	2,519
Arkansas	NA	NA	1,520	1,303	NA	NA
California	15,657	16,411	20,556	17,100	17,228	21,902
Colorado	NA	2,616	NA	2,630	3,359	5,544
Connecticut	2,641	2,550	2,449	2,535	2,591	3,204
Delaware	305	179	159	182	215	350
District of Columbia	896	862	840	NA	940	1,249
Florida	2,344	2,413	2,257	2,280	2,785	2,793
Georgia	2,367	1,400	1,332	1,333	1,477	NA
Hawaii	144	144	140	144	143	143
Idaho	676	459	420	425	520	852
Illinois	11,908	6,919	6,187	6,218	5,979	8,316
Indiana	4,464	2,796	2,399	1,873	2,886	3,440
Iowa	2,575	1,626	1,246	1,520	1,406	1,762
Kansas	2,000	1,792	1,958	1,687	1,504	2,018
Kentucky	1,860	1,189	R1,170	1,014	1,218	1,690
Louisiana	1,327	1,315	1,484	1,416	1,493	1,625
Maine	186	78	74	75	90	122
Maryland	3,672	2,663	2,495	2,557	2,710	NA
Massachusetts	NA	NA	NA	NA	4,936	5,322
Michigan	9,440	5,870	4,984	5,465	6,183	9,050
Minnesota	5,737	3,175	2,956	2,645	2,860	4,058
Mississippi	1,079	1,047	1,063	1,054	1,078	1,204
Missouri	2,805	2,423	2,080	3,128	2,471	3,258
Montana	733	426	346	423	492	R902
Nebraska	1,156	1,067	772	1,074	1,123	R1,609
Nevada	1,403	1,268	1,247	1,249	1,400	1,703
New Hampshire	384	221	204	212	221	NA
New Jersey	NA	NA	NA	NA	NA	NA
New Mexico	1,648	1,399	1,295	1,149	1,302	2,306
New York	NA	NA	NA	NA	NA	NA
North Carolina	2,132	1,842	1,595	1,586	1,698	2,221
North Dakota	635	338	262	279	286	623
Ohio	9,003	4,789	NA	4,701	5,540	7,871
Oklahoma	2,100	1,552	1,677	1,697	938	2,265
Oregon	1,486	1,092	983	1,128	1,462	2,053
Pennsylvania	8,541	5,168	4,672	4,536	5,041	6,751
Rhode Island	651	454	334	501	526	650
South Carolina	1,251	1,144	1,073	1,127	1,109	1,343
South Dakota	522	301	267	313	438	493
Tennessee	3,225	2,562	2,265	2,287	2,573	2,601
Texas	11,359	11,568	12,805	12,486	12,020	12,790
Utah	1,873	1,257	902	1,090	989	1,858
Vermont	143	81	77	66	91	140
Virginia	3,541	2,617	2,671	2,613	2,584	3,250
Washington	NA	NA	NA	NA	NA	NA
West Virginia	1,960	1,239	1,359	1,235	1,346	1,524
Wisconsin	5,823	2,644	2,469	2,219	R2,325	3,362
Wyoming	678	332	174	315	448	844
Total	187,597	143,038	R139,247	136,316	R141,104	R179,188

See footnotes at end of table.

Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 1998-2000
(Million Cubic Feet) — Continued

State	1999				1998	
	April	March	February	January	Total	December
Alabama	2,190	3,240	3,145	4,063	25,707	2,414
Alaska	1,962	3,009	3,088	3,318	27,079	3,372
Arizona	2,994	3,173	3,587	3,899	31,940	3,388
Arkansas	2,508	3,392	3,510	5,524	28,063	3,169
California	22,672	29,559	28,130	32,605	284,885	31,538
Colorado	NA	7,598	8,919	11,360	63,145	7,432
Connecticut	3,724	5,831	6,038	6,594	42,410	4,986
Delaware	637	998	944	1,038	5,592	629
District of Columbia	1,976	2,334	2,549	2,486	16,866	1,480
Florida	3,408	3,962	3,747	4,038	37,743	3,320
Georgia	2,968	5,657	5,897	7,205	55,431	5,531
Hawaii	147	142	158	153	1,747	151
Idaho	1,233	1,532	1,734	2,076	11,712	1,640
Illinois	14,051	24,495	26,217	35,555	174,747	24,727
Indiana	6,850	NA	12,336	16,862	73,184	9,557
Iowa	3,777	6,196	6,154	8,881	43,028	6,006
Kansas	3,336	NA	NA	NA	41,788	4,591
Kentucky	2,570	5,149	4,979	6,499	32,468	4,714
Louisiana	2,087	2,520	2,729	3,691	24,049	2,224
Maine	199	357	341	454	2,456	337
Maryland	5,678	NA	NA	9,013	57,432	6,433
Massachusetts	9,335	10,580	NA	6,662	90,099	6,635
Michigan	14,920	25,952	25,441	31,020	163,400	20,671
Minnesota	6,911	11,125	12,637	16,386	82,377	12,652
Mississippi	NA	2,676	2,196	NA	21,360	2,075
Missouri	5,235	8,535	9,736	12,503	62,000	7,177
Montana	1,153	1,308	1,542	2,096	12,961	1,925
Nebraska	2,308	3,484	4,246	5,797	28,911	3,934
Nevada	1,977	2,372	2,486	2,903	23,347	2,565
New Hampshire	658	1,026	1,070	1,312	6,808	810
New Jersey	NA	NA	NA	NA	146,654	18,767
New Mexico	2,404	3,324	3,748	5,051	27,395	4,125
New York	NA	NA	NA	NA	335,800	34,796
North Carolina	3,583	5,572	4,826	6,392	36,427	3,847
North Dakota	909	1,253	1,558	2,083	10,085	1,362
Ohio	15,260	24,202	26,668	28,502	157,061	21,929
Oklahoma	3,813	4,620	5,679	7,865	43,910	5,463
Oregon	2,699	3,462	3,897	4,554	26,024	3,619
Pennsylvania	12,734	20,162	21,547	22,259	131,036	16,940
Rhode Island	1,085	1,731	1,686	1,892	11,482	1,338
South Carolina	1,725	2,552	2,236	2,957	19,829	1,926
South Dakota	914	1,149	1,343	1,873	9,265	1,305
Tennessee	4,448	6,378	6,629	10,540	52,406	5,924
Texas	15,844	17,651	19,696	27,511	169,613	19,965
Utah	2,920	3,068	4,198	4,580	31,091	4,934
Vermont	227	334	321	462	2,979	401
Virginia	5,242	7,620	8,070	9,051	58,318	7,186
Washington	NA	NA	NA	NA	45,673	5,595
West Virginia	2,253	3,496	3,389	3,961	24,991	2,963
Wisconsin	6,980	11,437	11,592	16,370	81,375	11,803
Wyoming	941	1,070	1,166	1,352	10,423	1,822
Total	259,842	378,167	393,447	481,390	3,004,570	362,095

^R Revised Data.

NA Not Available.

Notes: Geographic coverage is the 50 States and the District of Columbia. Gas volumes delivered for use as vehicle fuel are included in the annual

total but not in the monthly components. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 1998-2000
(Million Cubic Feet)

State	YTD 2000	YTD 1999	YTD 1998	2000		
				June	May	April
Alabama	104,066	101,623	103,424	16,075	17,293	16,866
Alaska	38,834	37,632	37,903	6,129	5,172	6,766
Arizona	11,849	13,780	13,775	2,122	2,183	1,213
Arkansas	81,055	NA	73,823	11,830	13,093	13,652
California	580,061	402,177	366,770	122,049	107,156	82,233
Colorado	NA	37,332	47,372	NA	NA	NA
Connecticut	17,937	15,710	17,374	2,414	2,135	2,851
Delaware	14,332	10,732	8,413	2,072	2,315	2,561
District of Columbia	0	0	0	0	0	0
Florida	72,878	70,381	64,459	11,690	12,631	12,521
Georgia	NA	60,376	89,970	NA	3,869	3,678
Hawaii	273	220	0	46	47	44
Idaho ^a	16,791	17,678	18,290	2,532	2,656	2,681
Illinois	162,644	160,900	159,700	20,306	22,174	24,982
Indiana	163,511	NA	146,970	22,958	24,205	25,123
Iowa	52,208	56,369	54,076	7,808	7,124	8,386
Kansas	57,545	NA	53,101	10,660	9,466	8,715
Kentucky	49,415	48,025	48,169	6,704	6,870	8,372
Louisiana	515,911	481,935	450,776	78,026	^b 87,937	^b 82,322
Maine	NA	1,138	1,114	NA	NA	335
Maryland	20,417	20,163	18,991	3,643	3,669	3,533
Massachusetts	NA	NA	63,469	NA	NA	NA
Michigan	169,344	151,398	161,440	21,784	25,697	28,316
Minnesota	53,639	55,062	53,664	9,876	4,967	8,500
Mississippi	NA	NA	40,998	5,311	6,240	NA
Missouri	36,120	NA	35,369	5,373	5,155	5,468
Montana	11,918	13,152	11,131	1,498	1,460	2,040
Nebraska	19,584	18,984	24,828	3,569	2,766	^b 3,148
Nevada	20,411	16,525	13,009	3,555	4,344	3,906
New Hampshire	NA	3,037	2,897	NA	NA	446
New Jersey	NA	NA	107,412	NA	NA	NA
New Mexico	14,115	NA	11,916	2,136	2,014	3,173
New York	NA	NA	140,625	26,934	27,880	NA
North Carolina	62,163	57,141	55,630	8,644	9,567	9,329
North Dakota	8,484	10,411	10,922	1,960	1,010	1,918
Ohio	175,698	174,672	177,649	23,210	25,314	28,145
Oklahoma	74,780	88,588	97,546	14,692	11,224	11,736
Oregon	52,306	52,569	49,188	6,048	^b 8,195	9,181
Pennsylvania	NA	126,207	120,801	20,823	NA	22,194
Rhode Island	15,899	18,166	20,787	1,782	2,170	2,579
South Carolina	52,046	50,902	51,780	7,262	8,814	9,128
South Dakota	2,584	2,522	2,888	497	341	391
Tennessee	NA	73,947	74,038	NA	10,777	^b 11,641
Texas	964,709	NA	948,508	182,767	184,646	174,529
Utah	21,600	20,353	24,985	3,037	3,657	3,614
Vermont	1,933	1,425	1,101	331	303	353
Virginia	NA	44,392	42,889	8,988	7,353	NA
Washington	NA	NA	64,116	NA	NA	NA
West Virginia	21,454	NA	26,461	3,290	3,498	3,484
Wisconsin	82,474	77,885	75,727	9,914	10,637	13,077
Wyoming	NA	16,150	29,693	NA	NA	4,899
Total	4,631,116	4,245,275	4,315,937	755,056	^b761,164	^b757,785

See footnotes at end of table.

Table 17

Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 1998-2000
(Million Cubic Feet) — Continued

State	2000			1999		
	March	February	January	Total	December	November
Alabama	18,233	17,653	17,947	204,829	18,152	17,655
Alaska	7,192	6,390	7,185	74,491	6,917	6,876
Arizona	2,173	2,076	2,081	26,661	2,231	1,903
Arkansas	13,754	13,844	14,883	NA	15,108	12,718
California	86,700	86,174	95,749	R947,700	78,551	87,915
Colorado	NA	7,444	NA	NA	7,109	7,020
Connecticut	3,619	3,437	3,481	31,800	3,499	3,143
Delaware	2,675	2,254	2,455	21,336	2,324	1,787
District of Columbia	0	0	0	0	0	0
Florida	12,666	11,187	12,183	142,104	11,513	11,472
Georgia	4,028	4,494	4,600	91,150	4,252	5,497
Hawaii	46	45	44	463	42	42
Idaho ^a	2,904	2,883	3,135	33,831	3,033	2,821
Illinois	29,119	31,511	34,552	309,467	31,510	26,906
Indiana	28,207	29,449	33,569	NA	30,100	25,974
Iowa	8,914	9,865	10,110	103,860	8,319	8,799
Kansas	9,141	9,069	10,494	NA	8,872	6,513
Kentucky	8,359	9,248	9,863	92,683	8,792	8,290
Louisiana	87,213	85,238	95,174	969,981	87,508	82,412
Maine	315	356	327	R2,521	281	219
Maryland	3,956	3,448	2,168	40,980	3,803	3,491
Massachusetts	NA	NA	NA	NA	NA	NA
Michigan	31,364	30,858	31,324	285,977	28,881	26,811
Minnesota	8,894	10,977	10,425	NA	NA	8,081
Mississippi	7,193	6,812	6,248	NA	7,625	7,206
Missouri	6,620	6,938	6,565	NA	7,471	6,425
Montana	2,223	2,555	2,142	23,091	2,327	2,039
Nebraska	R3,343	3,272	3,485	40,990	2,542	2,490
Nevada	2,904	2,878	2,824	33,250	3,204	2,651
New Hampshire	NA	421	453	5,787	413	376
New Jersey	NA	NA	25,739	NA	NA	NA
New Mexico	2,701	1,929	2,161	NA	3,469	3,257
New York	NA	28,916	24,539	NA	25,997	26,228
North Carolina	11,298	10,971	12,354	115,427	11,492	10,003
North Dakota	1,242	1,186	1,169	NA	NA	1,424
Ohio	30,732	32,879	35,417	NA	31,330	28,638
Oklahoma	11,505	12,730	12,894	172,363	13,782	13,524
Oregon	9,176	9,451	10,256	108,081	10,604	10,619
Pennsylvania	25,628	25,178	24,411	242,580	22,035	20,585
Rhode Island	2,490	3,105	3,774	34,857	3,447	2,922
South Carolina	9,720	8,630	8,493	101,777	9,401	9,184
South Dakota	410	474	471	5,036	442	445
Tennessee	R11,373	13,886	R11,982	R148,979	12,231	R11,852
Texas	136,980	164,715	121,072	NA	R208,335	R187,716
Utah	3,861	3,661	3,771	40,988	3,853	3,628
Vermont	350	357	240	2,819	327	273
Virginia	7,136	9,755	7,257	95,232	9,027	5,865
Washington	NA	NA	NA	NA	NA	NA
West Virginia	2,884	4,016	R4,282	NA	NA	R3,587
Wisconsin	14,675	16,048	18,124	147,543	15,331	12,721
Wyoming	4,339	5,520	R4,769	R34,573	3,052	3,603
Total	R769,409	799,748	R787,954	R8,798,130	R832,035	R780,489

See footnotes at end of table.

Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 1998-2000

(Million Cubic Feet) — Continued

State	1999					
	October	September	August	July	June	May
Alabama	17,404	16,497	16,973	16,525	15,938	15,947
Alaska	6,613	4,738	4,784	6,932	5,923	6,318
Arizona	1,910	2,160	2,276	2,402	1,956	2,390
Arkansas	13,130	12,362	12,415	10,987	NA	11,429
California	104,100	98,766	94,185	82,007	68,105	R72,765
Colorado	5,262	5,761	5,730	NA	5,605	6,202
Connecticut	2,637	2,283	2,308	2,221	2,055	2,419
Delaware	1,878	1,798	1,385	1,431	1,459	1,789
District of Columbia	0	0	0	0	0	0
Florida	12,236	11,153	12,870	12,478	11,739	11,827
Georgia	5,059	6,271	4,185	5,511	7,177	7,106
Hawaii	39	39	41	40	43	35
Idaho ^a	2,941	2,735	2,173	2,450	2,528	2,885
Illinois	24,758	22,294	21,598	21,500	21,056	21,281
Indiana	24,586	23,198	22,844	22,039	21,508	NA
Iowa	8,267	7,486	7,425	7,195	6,980	8,326
Kansas	5,881	8,069	10,994	9,275	7,751	NA
Kentucky	7,899	6,954	6,321	6,402	6,535	7,087
Louisiana	83,388	75,786	78,575	80,375	80,334	81,391
Maine	279	R203	210	191	184	207
Maryland	3,333	3,328	3,525	3,338	2,887	3,183
Massachusetts	NA	NA	9,414	NA	NA	8,740
Michigan	21,628	19,077	18,271	19,911	20,416	22,851
Minnesota	7,735	7,064	9,164	7,598	7,397	7,457
Mississippi	6,962	6,310	6,287	6,669	6,807	7,007
Missouri	4,991	4,689	4,815	4,751	4,801	4,615
Montana	1,649	1,305	1,326	1,293	1,694	1,968
Nebraska	3,600	3,992	3,949	5,432	2,700	2,565
Nevada	2,826	2,795	2,745	2,504	2,573	2,811
New Hampshire	571	471	478	442	457	486
New Jersey	NA	NA	NA	NA	NA	NA
New Mexico	NA	NA	NA	3,371	3,279	3,606
New York	22,097	22,229	NA	NA	NA	NA
North Carolina	8,709	8,712	10,082	9,288	8,970	8,857
North Dakota	1,201	1,295	1,130	1,155	1,266	1,351
Ohio	27,088	24,938	NA	23,427	23,595	25,248
Oklahoma	12,642	15,620	13,952	14,254	15,192	13,847
Oregon	9,406	8,301	8,574	8,008	7,861	8,216
Pennsylvania	19,248	18,426	18,582	17,497	17,687	18,565
Rhode Island	2,322	2,535	2,496	2,969	2,948	3,343
South Carolina	9,005	7,996	7,948	7,342	7,708	8,102
South Dakota	466	305	437	419	282	347
Tennessee	R12,971	R13,416	11,737	12,826	11,262	12,000
Texas	R181,949	R205,554	R179,634	R133,268	142,830	NA
Utah	3,582	3,192	3,180	3,200	2,351	3,422
Vermont	261	183	176	174	157	192
Virginia	6,033	8,336	11,139	10,441	8,708	7,843
Washington	NA	NA	NA	NA	NA	NA
West Virginia	3,458	3,220	3,367	3,135	NA	3,225
Wisconsin	12,469	10,307	9,595	9,235	9,243	10,081
Wyoming	2,580	3,945	2,546	2,697	2,051	2,069
Total	R767,536	R761,072	R737,422	R674,299	664,277	R686,508

See footnotes at end of table.

Table 17

Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 1998-2000
(Million Cubic Feet) — Continued

State	1999				1998	
	April	March	February	January	Total	December
Alabama	17,042	19,174	16,360	17,161	200,305	16,372
Alaska	6,244	6,717	5,805	6,626	75,947	6,439
Arizona	2,545	2,237	2,291	2,360	28,157	2,605
Arkansas	11,732	12,582	11,561	13,069	147,313	12,537
California	61,776	57,968	71,293	70,270	827,401	74,100
Colorado	7,672	6,272	6,951	4,630	87,238	8,462
Connecticut	2,504	2,790	2,957	2,985	32,498	2,838
Delaware	1,767	1,952	1,878	1,887	16,287	1,529
District of Columbia	0	0	0	0	0	0
Florida	12,512	12,603	10,480	11,219	126,891	10,374
Georgia	7,479	13,140	12,545	12,929	164,501	13,256
Hawaii	38	39	33	32	373	373
Idaho ^a	3,167	3,214	3,081	2,802	34,303	2,635
Illinois	25,516	29,721	29,436	33,890	303,668	28,912
Indiana	NA	NA	26,942	NA	290,973	28,353
Iowa	10,104	9,569	9,554	11,836	105,950	9,261
Kansas	8,130	8,482	7,588	NA	111,143	8,731
Kentucky	7,610	9,289	8,179	9,326	93,217	8,502
Louisiana	79,477	82,222	73,872	84,638	922,155	87,893
Maine	161	189	104	293	2,297	204
Maryland	3,243	4,506	3,261	3,083	38,531	3,564
Massachusetts	NA	NA	8,643	8,763	125,286	12,200
Michigan	24,820	28,068	26,451	28,793	282,036	25,198
Minnesota	8,485	9,697	11,186	10,841	104,610	9,322
Mississippi	NA	7,375	6,541	NA	78,640	6,811
Missouri	5,395	5,127	NA	6,562	64,868	5,988
Montana	2,120	2,174	2,554	2,642	21,416	2,260
Nebraska	3,051	3,098	3,330	4,240	53,053	3,124
Nevada	2,635	2,816	2,674	3,016	28,662	3,003
New Hampshire	578	505	484	526	5,878	484
New Jersey	NA	NA	NA	NA	204,791	18,623
New Mexico	NA	3,355	3,047	NA	25,048	2,239
New York	NA	NA	NA	NA	251,591	16,736
North Carolina	8,867	10,885	9,561	10,001	106,497	8,862
North Dakota	1,479	2,037	2,844	1,434	20,606	1,898
Ohio	28,808	32,257	31,603	33,159	332,955	31,327
Oklahoma	16,094	14,338	14,323	14,794	198,110	13,058
Oregon	8,923	9,571	8,595	9,403	102,770	9,258
Pennsylvania	20,802	23,245	23,747	22,161	231,362	21,244
Rhode Island	2,996	2,528	2,930	3,421	42,278	3,480
South Carolina	8,438	9,614	8,225	8,813	102,324	8,973
South Dakota	446	439	463	545	5,607	572
Tennessee	11,647	12,570	12,922	13,545	145,773	14,316
Texas	136,782	144,116	159,127	162,750	2,023,278	209,528
Utah	3,809	3,718	3,350	3,703	45,501	3,839
Vermont	243	301	312	220	2,105	202
Virginia	8,449	7,524	6,431	5,437	92,801	7,567
Washington	NA	NA	NA	NA	133,106	11,961
West Virginia	NA	NA	3,460	3,865	49,807	4,143
Wisconsin	12,061	14,729	14,428	17,342	141,980	14,896
Wyoming	2,718	3,036	2,967	3,310	54,259	4,642
Total	679,305	723,317	724,752	767,117	8,686,147	802,693

^a Small volumes of natural gas representing onsystem sales to industrial consumers in Idaho are included in the annual total but not in monthly components.

^R Revised Data.

NA Not Available.

Notes: Geographic coverage is the 50 States and the District of Columbia. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 18. Natural Gas Deliveries to Electric Utility^a Consumers, by State, 1998-2000
 (Million Cubic Feet)

State	YTD 2000	YTD 1999	YTD 1998	2000		
				June	May	April
Alabama	11,125	6,535	8,803	4,342	3,697	1,398
Alaska	17,275	14,646	14,365	2,707	2,834	2,681
Arizona	29,241	20,350	6,268	8,942	6,878	3,960
Arkansas	19,019	16,249	16,373	3,984	3,892	3,253
California	52,919	82,113	115,518	13,769	9,891	5,470
Colorado	12,902	8,257	3,419	2,826	2,685	1,176
Connecticut	3,586	3,355	4,518	598	598	598
Delaware	4,259	9,025	3,447	1,127	1,304	485
District of Columbia	0	0	0	0	0	0
Florida	167,591	135,393	128,565	28,450	31,538	27,815
Georgia	7,586	6,419	7,200	3,623	3,438	240
Hawaii	0	0	0	0	0	0
Idaho	0	0	0	0	0	0
Illinois	1,486	19,754	30,584	374	506	229
Indiana	2,001	2,872	3,736	240	480	298
Iowa	1,852	1,724	2,398	321	571	236
Kansas	10,933	14,595	10,634	2,143	2,691	2,052
Kentucky	2,088	1,489	2,580	416	765	116
Louisiana	132,921	151,224	129,888	29,545	28,267	19,328
Maine	0	0	0	0	0	0
Maryland	10,582	4,537	3,486	4,184	2,596	1,963
Massachusetts	1,855	4,285	11,511	364	475	455
Michigan	22,137	25,109	22,286	4,174	4,703	3,213
Minnesota	2,105	2,936	2,458	645	461	280
Mississippi	47,537	44,357	33,526	9,800	10,438	6,023
Missouri	10,630	5,619	3,957	2,472	2,881	1,515
Montana	65	110	171	19	8	0
Nebraska	1,404	1,451	1,611	470	462	175
Nevada	31,778	28,967	21,729	7,460	5,828	4,780
New Hampshire	780	89	62	0	2	187
New Jersey	11,391	8,248	12,256	4,151	3,324	1,969
New Mexico	19,624	15,684	17,289	3,211	3,542	3,381
New York	52,622	89,360	89,507	11,296	10,594	9,049
North Carolina	4,308	1,929	4,929	2,500	1,607	27
North Dakota	0	0	0	0	0	0
Ohio	3,755	4,832	2,804	628	1,144	610
Oklahoma	71,588	76,064	63,393	14,792	16,320	14,108
Oregon	13,970	6,694	7,181	3,057	1,641	562
Pennsylvania	1,682	3,513	3,787	262	285	270
Rhode Island	0	0	11,101	0	0	0
South Carolina	1,435	659	2,287	719	571	68
South Dakota	809	1,189	825	420	209	27
Tennessee	1,154	795	1,633	235	484	9
Texas	577,341	534,416	535,167	124,051	134,690	92,994
Utah	4,310	2,508	985	1,344	908	712
Vermont	360	19	140	167	88	62
Virginia	10,225	11,655	7,633	1,681	1,923	1,497
Washington	6,430	1,181	817	3,662	2,290	80
West Virginia	179	196	177	61	14	24
Wisconsin	5,799	5,661	7,103	669	1,754	837
Wyoming	408	114	233	355	14	6
Total	1,393,044	1,376,178	1,358,340	306,255	309,290	214,217

See footnotes at end of table.

Table 18. Natural Gas Deliveries to Electric Utility^a Consumers, by State, 1998-2000

(Million Cubic Feet) — Continued

State	2000			1999		
	March	February	January	Total	December	November
Alabama	237	434	1,017	20,897	674	889
Alaska	2,904	2,782	3,367	30,554	3,390	2,841
Arizona	2,670	3,126	3,665	50,876	3,284	3,338
Arkansas	3,810	3,374	706	40,059	1,981	2,043
California	8,102	7,506	8,180	144,796	7,169	7,498
Colorado	2,021	2,227	1,968	19,149	1,165	1,110
Connecticut	598	597	597	13,086	547	1,161
Delaware	315	381	646	19,873	498	337
District of Columbia	0	0	0	0	0	0
Florida	29,230	24,232	26,327	319,351	24,990	25,442
Georgia	153	67	65	20,507	174	456
Hawaii	0	0	0	0	0	0
Idaho	0	0	0	0	0	0
Illinois	82	78	218	40,700	828	1,837
Indiana	158	310	514	7,648	245	157
Iowa	215	232	275	5,245	241	313
Kansas	1,150	1,465	1,432	35,857	1,050	737
Kentucky	107	161	523	5,585	223	262
Louisiana	20,829	14,276	20,676	320,367	17,337	16,697
Maine	0	0	0	0	0	0
Maryland	1,062	259	517	16,382	409	346
Massachusetts	304	160	98	8,136	107	396
Michigan	2,554	3,418	4,073	51,136	3,070	3,199
Minnesota	209	190	320	6,590	149	253
Mississippi	5,942	6,190	9,144	101,613	8,922	5,720
Missouri	1,045	1,232	1,484	19,400	580	451
Montana	8	5	25	289	10	14
Nebraska	73	113	111	4,548	49	101
Nevada	4,700	3,848	5,162	65,131	6,052	4,562
New Hampshire	413	57	121	572	134	22
New Jersey	963	533	450	32,615	1,066	1,105
New Mexico	3,539	3,027	2,923	35,594	2,683	2,186
New York	9,157	6,938	5,589	181,817	9,010	11,261
North Carolina	37	54	83	10,562	17	50
North Dakota	0	0	0	0	0	0
Ohio	667	253	454	11,097	425	179
Oklahoma	10,675	6,783	8,911	169,826	9,305	8,187
Oregon	2,610	2,942	3,157	23,309	2,385	2,968
Pennsylvania	268	221	375	10,363	428	265
Rhode Island	0	0	0	0	0	0
South Carolina	27	15	35	5,107	48	77
South Dakota	56	15	82	2,526	94	23
Tennessee	18	117	291	3,453	29	32
Texas	86,800	65,922	72,884	1,207,294	64,468	63,476
Utah	645	327	375	6,481	524	398
Vermont	14	23	5	249	3	3
Virginia	1,947	1,327	1,850	23,459	1,106	928
Washington	1	69	329	6,700	258	468
West Virginia	33	32	15	386	42	37
Wisconsin	707	1,088	743	14,068	688	572
Wyoming	9	13	11	167	15	10
Total	207,068	166,419	189,794	3,113,420	175,870	172,408

See footnotes at end of table.

Table 18. Natural Gas Deliveries to Electric Utility^a Consumers, by State, 1998-2000
 (Million Cubic Feet) — Continued

State	1999					
	October	September	August	July	June	May
Alabama	557	1,865	5,662	4,716	1,941	1,293
Alaska	2,634	2,217	2,278	2,547	2,202	2,307
Arizona	6,403	4,701	6,665	6,135	5,297	4,293
Arkansas	1,589	3,113	7,960	7,124	5,631	4,008
California	14,585	9,518	12,208	11,705	9,170	8,655
Colorado	1,823	934	3,333	2,527	2,119	1,792
Connecticut	1,321	1,661	2,038	3,003	1,802	1,315
Delaware	1,352	1,570	3,289	3,803	2,537	2,058
District of Columbia	0	0	0	0	0	0
Florida	30,918	34,373	34,327	33,908	29,623	29,642
Georgia	692	1,933	6,483	4,350	1,726	1,378
Hawaii	0	0	0	0	0	0
Idaho	0	0	0	0	0	0
Illinois	1,617	1,740	3,915	11,009	4,861	2,699
Indiana	142	312	1,236	2,685	1,194	249
Iowa	304	429	688	1,546	618	266
Kansas	1,127	1,948	7,989	8,412	3,498	2,767
Kentucky	188	463	1,153	1,807	481	201
Louisiana	21,366	32,452	42,949	38,341	34,799	29,657
Maine	0	0	0	0	0	0
Maryland	1,338	1,101	2,813	5,838	1,817	475
Massachusetts	359	816	685	1,487	1,621	1,430
Michigan	3,869	3,701	4,611	7,577	5,195	5,214
Minnesota	106	208	868	2,070	788	712
Mississippi	6,731	7,527	14,254	14,103	9,852	9,543
Missouri	520	1,147	5,344	5,739	1,992	637
Montana	7	8	28	112	32	6
Nebraska	134	235	741	1,836	724	195
Nevada	5,621	6,449	6,658	6,822	5,845	5,660
New Hampshire	0	161	98	67	25	16
New Jersey	1,280	3,190	6,185	11,542	3,447	2,078
New Mexico	3,056	3,403	4,635	3,947	2,732	2,037
New York	11,999	14,135	19,779	26,273	22,550	23,208
North Carolina	104	625	3,571	4,266	1,238	147
North Dakota	0	0	0	0	0	0
Ohio	345	541	1,535	3,240	1,435	712
Oklahoma	10,785	13,928	26,713	24,843	18,378	13,892
Oregon	4,558	3,119	2,010	1,574	878	2,038
Pennsylvania	454	567	1,894	3,243	2,077	467
Rhode Island	0	0	0	0	0	0
South Carolina	17	165	1,851	2,291	390	76
South Dakota	69	79	425	646	214	215
Tennessee	0	174	1,214	1,208	596	58
Texas	96,700	117,677	177,923	152,635	127,708	104,517
Utah	1,121	495	680	754	691	192
Vermont	1	91	133	0	2	1
Virginia	651	1,701	3,354	4,064	1,888	2,235
Washington	3,032	1,276	434	51	39	562
West Virginia	46	23	17	25	32	48
Wisconsin	475	862	1,775	4,036	1,896	1,434
Wyoming	8	7	5	8	68	6
Total	240,002	282,642	432,405	433,914	321,646	270,394

See footnotes at end of table.

Table 18. Natural Gas Deliveries to Electric Utility^a Consumers, by State, 1998-2000
(Million Cubic Feet) — Continued

State	1999				1998	
	April	March	February	January	Total	December
Alabama	1,252	929	556	564	25,546	789
Alaska	2,300	2,522	2,556	2,758	28,784	2,957
Arizona	4,500	2,023	1,801	2,436	38,674	3,738
Arkansas	2,597	2,050	1,395	569	40,576	367
California	15,421	16,765	15,698	16,405	271,154	17,740
Colorado	1,916	886	651	894	10,627	918
Connecticut	84	124	1	29	10,719	123
Delaware	676	1,696	921	1,137	11,135	911
District of Columbia	0	0	0	0	0	0
Florida	28,322	19,054	13,254	15,499	281,346	17,667
Georgia	3,057	221	20	16	22,371	259
Hawaii	0	0	0	0	0	0
Idaho	0	0	0	0	0	0
Illinois	5,379	2,941	1,385	2,489	56,337	1,469
Indiana	411	339	151	528	9,096	237
Iowa	334	181	187	139	5,947	144
Kansas	3,697	2,426	1,037	1,171	36,896	1,679
Kentucky	188	131	81	406	5,760	136
Louisiana	25,383	21,890	17,767	21,728	318,395	18,345
Maine	0	0	0	0	0	0
Maryland	1,376	288	138	443	12,303	499
Massachusetts	697	381	47	110	18,427	725
Michigan	4,049	3,896	3,090	3,664	48,321	3,449
Minnesota	475	477	164	319	7,738	120
Mississippi	10,120	4,324	4,733	5,785	76,362	4,126
Missouri	1,675	327	365	624	16,035	515
Montana	9	4	5	54	522	36
Nebraska	335	115	43	39	5,044	106
Nevada	4,830	4,294	3,737	4,601	60,937	5,362
New Hampshire	0	16	0	32	149	0
New Jersey	660	689	347	1,027	30,996	792
New Mexico	3,133	2,829	2,357	2,596	39,034	2,876
New York	14,150	12,883	8,483	8,087	208,348	10,911
North Carolina	474	28	4	38	12,418	36
North Dakota	0	0	0	0	0	0
Ohio	1,118	941	324	302	7,663	351
Oklahoma	13,164	12,488	7,557	10,585	174,577	13,066
Oregon	1,073	220	945	1,540	28,883	3,009
Pennsylvania	285	317	106	262	6,890	357
Rhode Island	0	0	0	0	15,589	0
South Carolina	109	49	21	14	5,893	42
South Dakota	280	233	122	125	2,865	189
Tennessee	142	0	0	0	6,213	0
Texas	97,360	81,945	56,206	66,680	1,242,574	71,865
Utah	395	454	392	384	5,945	493
Vermont	2	6	2	5	188	4
Virginia	1,818	2,103	1,937	1,674	20,386	757
Washington	505	6	41	29	13,352	635
West Virginia	29	35	24	27	417	25
Wisconsin	555	570	654	553	16,348	730
Wyoming	4	13	14	9	271	5
Total	254,337	204,107	149,319	176,375	3,258,054	188,557

^a Includes all steam electric utility generating plants with a combined capacity of 50 megawatts or greater.

Notes: Geographic coverage is the 50 States and the District of Columbia.

See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Source: Form EIA-759, "Monthly Power Plant Report."

Table 19. Natural Gas Deliveries to All Consumers, by State, 1998-2000

(Million Cubic Feet)

State	YTD 2000	YTD 1999	YTD 1998	2000		
				June	May	April
Alabama	159,942	153,258	164,126	22,970	24,728	23,644
Alaska	75,987	76,520	74,825	10,325	10,346	12,369
Arizona	80,953	74,757	64,213	14,452	12,984	10,865
Arkansas	NA	NA	135,275	NA	NA	19,802
California	1,051,203	1,005,756	957,158	178,742	165,873	145,827
Colorado	NA	NA	165,059	NA	NA	24,248
Connecticut	75,918	72,757	70,019	6,554	8,318	10,447
Delaware	28,516	30,281	21,106	3,722	4,628	4,533
District of Columbia	20,528	21,435	19,855	1,455	2,064	2,948
Florida	275,654	234,649	223,566	44,555	49,065	45,716
Georgia	NA	NA	201,868	NA	13,847	15,798
Hawaii	1,454	1,379	1,177	242	243	235
Idaho	35,797	37,370	35,921	3,698	4,220	5,464
Illinois	532,827	570,272	545,070	39,109	46,610	76,010
Indiana	NA	NA	286,815	NA	34,567	44,692
Iowa	122,443	133,188	127,641	11,057	12,914	17,350
Kansas	153,657	NA	140,013	18,624	19,666	22,418
Kentucky	108,629	108,554	104,942	9,432	10,588	15,191
Louisiana	688,869	675,672	628,503	110,714	R119,684	R107,164
Maine	NA	3,271	3,141	NA	NA	529
Maryland	117,561	NA	100,173	12,858	13,329	16,931
Massachusetts	NA	NA	203,291	NA	NA	29,022
Michigan	528,057	521,916	496,119	42,393	58,915	80,247
Minnesota	NA	186,436	171,173	16,824	14,425	26,009
Mississippi	115,530	NA	105,140	16,907	19,121	16,467
Missouri	153,196	NA	157,948	12,329	15,968	20,823
Montana	31,100	32,742	30,324	2,655	3,188	4,678
Nebraska	64,788	66,525	73,862	6,341	6,189	R10,256
Nevada	83,665	76,785	68,002	13,828	13,512	12,688
New Hampshire	NA	NA	11,480	NA	NA	2,002
New Jersey	NA	NA	337,394	NA	NA	38,405
New Mexico	68,628	NA	66,940	8,958	8,611	11,568
New York	NA	NA	642,896	NA	NA	110,986
North Carolina	132,970	120,781	120,858	14,554	15,365	16,859
North Dakota	NA	24,202	23,665	2,651	2,029	3,916
Ohio	492,508	494,681	464,088	37,221	48,858	71,664
Oklahoma	206,634	233,864	238,547	32,554	32,227	33,932
Oregon	108,343	102,831	93,691	12,058	R14,034	15,608
Pennsylvania	NA	377,909	345,960	NA	NA	R55,460
Rhode Island	40,565	37,393	50,393	3,045	4,187	5,712
South Carolina	84,332	81,125	85,110	9,724	11,881	12,757
South Dakota	16,545	17,736	17,119	1,585	1,651	2,192
Tennessee	NA	NA	150,683	NA	16,319	R20,160
Texas	1,782,370	NA	1,704,519	324,741	342,851	296,210
Utah	70,910	71,422	76,174	6,827	7,611	9,283
Vermont	5,901	4,799	4,676	710	732	909
Virginia	144,886	NA	127,481	15,909	16,187	21,363
Washington	NA	NA	135,505	NA	NA	21,104
West Virginia	NA	NA	61,149	5,403	7,174	8,196
Wisconsin	211,704	213,343	201,509	15,635	21,085	31,778
Wyoming	NA	29,818	44,247	NA	NA	7,021
Total	10,863,153	10,494,395	10,380,411	1,379,131	R1,498,104	R1,619,455

See footnotes at end of table.

Table 19. Natural Gas Deliveries to All Consumers, by State, 1998-2000
(Million Cubic Feet) — Continued

State	2000			1999		
	March	February	January	Total	December	November
Alabama	25,649	31,734	31,217	298,206	28,079	24,279
Alaska	14,102	13,127	15,718	149,801	16,205	14,842
Arizona	12,768	13,235	16,648	141,607	13,605	9,143
Arkansas	NA	NA	NA	NA	22,911	NA
California	181,275	182,440	197,045	R1,923,533	173,447	148,687
Colorado	NA	NA	NA	NA	31,107	21,407
Connecticut	14,836	18,799	16,965	130,237	14,109	11,239
Delaware	4,621	5,170	5,842	56,083	4,570	3,087
District of Columbia	3,735	5,287	5,038	NA	1,733	2,329
Florida	48,108	42,595	45,615	511,289	41,390	40,778
Georgia	19,232	28,697	40,252	NA	32,210	21,975
Hawaii	245	243	246	2,735	230	223
Idaho	6,600	7,207	8,608	64,325	7,210	5,377
Illinois	94,271	122,950	153,877	983,082	132,729	82,376
Indiana	R53,163	R68,535	NA	NA	NA	NA
Iowa	21,220	27,333	32,569	225,459	25,609	17,995
Kansas	26,001	31,543	35,405	NA	24,168	13,962
Kentucky	18,467	24,107	30,843	R193,556	25,247	16,939
Louisiana	114,319	109,933	127,055	1,358,597	112,640	104,298
Maine	NA	830	1,052	R6,057	785	561
Maryland	20,295	26,406	R27,742	NA	21,892	14,979
Massachusetts	NA	NA	NA	NA	NA	NA
Michigan	97,752	119,744	129,006	861,809	101,989	73,980
Minnesota	31,609	NA	NA	NA	NA	NA
Mississippi	17,505	20,985	24,545	NA	22,113	16,261
Missouri	27,777	36,598	39,700	NA	30,372	17,734
Montana	6,002	7,139	7,438	R55,162	6,754	5,137
Nebraska	R12,440	14,219	15,342	R113,385	10,721	7,106
Nevada	13,948	13,104	16,586	149,754	16,347	10,990
New Hampshire	NA	3,022	3,120	NA	2,231	1,578
New Jersey	NA	NA	84,168	NA	NA	NA
New Mexico	12,729	12,649	14,114	NA	16,265	11,930
New York	NA	NA	NA	NA	NA	NA
North Carolina	23,876	32,119	30,199	217,957	22,958	16,942
North Dakota	3,756	4,425	NA	39,294	4,110	3,297
Ohio	91,255	114,573	128,938	NA	100,712	71,301
Oklahoma	33,217	36,714	37,991	442,527	34,102	27,964
Oregon	20,283	21,905	24,455	197,703	21,566	18,904
Pennsylvania	R71,739	R92,261	97,807	637,358	75,493	53,853
Rhode Island	6,611	12,341	8,668	63,296	6,202	5,458
South Carolina	14,670	18,272	17,028	153,194	15,663	13,032
South Dakota	3,170	3,628	4,319	28,906	3,393	2,122
Tennessee	R22,522	35,369	R36,923	NA	24,388	R20,129
Texas	257,093	283,560	277,915	NA	R313,454	R277,143
Utah	15,188	14,926	17,075	133,303	18,893	12,072
Vermont	1,097	1,319	1,134	8,062	885	698
Virginia	24,173	33,919	33,334	NA	28,154	17,505
Washington	NA	NA	NA	NA	NA	NA
West Virginia	NA	R14,226	R13,523	NA	NA	R8,450
Wisconsin	36,991	47,126	59,090	R374,826	50,507	32,141
Wyoming	7,227	8,372	R7,775	R55,928	5,758	5,267
Total	R1,881,925	R2,156,512	R2,328,026	R19,657,459	R2,035,075	R1,578,398

See footnotes at end of table.

Table 19. Natural Gas Deliveries to All Consumers, by State, 1998-2000

(Million Cubic Feet) — Continued

State	1999					
	October	September	August	July	June	May
Alabama	21,731	21,285	25,421	24,153	20,894	20,659
Alaska	12,855	9,345	8,854	11,178	10,011	11,323
Arizona	11,388	9,676	11,588	11,449	10,760	11,311
Arkansas	NA	NA	22,846	20,412	NA	NA
California	159,602	149,187	150,320	136,534	127,455	R143,918
Colorado	NA	12,346	NA	NA	15,851	23,300
Connecticut	8,112	7,554	7,648	8,818	7,689	8,817
Delaware	3,812	3,716	5,000	5,617	4,465	4,694
District of Columbia	1,379	1,187	1,155	NA	1,339	1,936
Florida	46,237	48,648	50,162	49,425	44,949	45,104
Georgia	15,446	13,690	14,389	13,440	11,904	NA
Hawaii	228	224	222	229	229	222
Idaho	4,484	3,630	2,952	3,303	3,694	4,982
Illinois	64,712	43,502	40,793	48,698	43,024	48,170
Indiana	36,490	29,555	29,254	29,408	29,055	NA
Iowa	14,615	11,374	10,591	12,087	10,601	13,436
Kansas	11,815	13,381	22,637	20,930	14,923	NA
Kentucky	12,576	10,009	R9,834	10,397	9,569	10,783
Louisiana	108,150	111,287	124,657	121,893	118,535	114,938
Maine	535	R309	309	288	301	368
Maryland	11,868	9,043	10,565	NA	9,585	NA
Massachusetts	NA	NA	NA	NA	NA	NA
Michigan	53,279	36,486	34,299	39,861	42,207	53,211
Minnesota	20,691	13,815	15,510	14,556	14,147	17,194
Mississippi	15,655	R15,601	22,294	22,610	18,549	18,817
Missouri	12,497	11,007	14,536	16,175	12,353	13,831
Montana	3,731	2,376	2,079	2,345	2,864	R4,256
Nebraska	7,021	6,086	6,580	9,346	5,728	R6,720
Nevada	11,065	11,470	11,576	11,520	11,058	12,027
New Hampshire	1,266	1,014	922	874	898	NA
New Jersey	NA	NA	NA	NA	NA	NA
New Mexico	NA	NA	NA	9,422	8,436	9,600
New York	NA	NA	NA	NA	NA	NA
North Carolina	12,629	12,217	16,172	16,258	13,223	13,830
North Dakota	2,498	1,933	1,588	1,666	1,818	2,600
Ohio	53,756	37,133	NA	37,991	38,542	46,408
Oklahoma	27,746	32,614	43,786	42,452	36,431	33,084
Oregon	17,042	13,433	12,378	11,548	11,835	15,061
Pennsylvania	39,823	29,936	29,955	30,388	31,323	37,043
Rhode Island	3,664	3,433	3,229	3,918	4,031	4,942
South Carolina	11,009	9,794	11,320	11,252	9,777	10,717
South Dakota	1,663	986	1,353	1,652	1,258	1,684
Tennessee	R18,132	R17,678	16,378	17,386	15,853	NA
Texas	R296,865	R340,648	R375,662	R304,371	289,287	NA
Utah	10,142	7,230	6,246	7,298	5,678	8,135
Vermont	529	413	442	295	327	492
Virginia	13,153	14,141	18,568	18,642	NA	16,306
Washington	NA	NA	NA	NA	NA	NA
West Virginia	NA	5,170	NA	4,928	NA	NA
Wisconsin	26,755	17,255	16,660	18,166	R16,736	19,895
Wyoming	4,012	4,792	2,951	3,330	3,064	4,014
Total	R1,428,142	R1,323,429	R1,426,068	R1,371,951	R1,280,883	R1,369,351

See footnotes at end of table.

Table 19. Natural Gas Deliveries to All Consumers, by State, 1998-2000

(Million Cubic Feet) — Continued

State	1999				1998	
	April	March	February	January	Total	December
Alabama	24,462	29,878	26,359	31,006	298,102	24,023
Alaska	11,821	14,323	13,673	15,371	147,426	14,951
Arizona	13,358	11,127	13,094	15,106	134,871	14,397
Arkansas	20,569	23,181	21,726	28,211	254,142	20,624
California	161,981	171,695	193,094	207,614	1,933,371	192,210
Colorado	NA	28,491	31,988	38,184	271,849	31,624
Connecticut	9,936	14,525	15,078	16,712	120,955	12,389
Delaware	4,068	6,220	5,212	5,622	40,769	3,965
District of Columbia	3,245	4,658	4,857	5,400	30,115	3,043
Florida	45,459	37,270	28,980	32,887	460,082	32,489
Georgia	18,441	30,256	32,026	37,187	349,701	34,095
Hawaii	231	226	238	233	2,654	568
Idaho	6,275	7,004	7,448	7,967	62,018	6,712
Illinois	76,211	118,600	118,504	165,762	944,563	119,098
Indiana	NA	NA	NA	NA	513,375	58,178
Iowa	19,759	25,806	26,549	37,036	223,826	25,924
Kansas	21,446	NA	NA	NA	260,044	23,768
Kentucky	14,482	23,836	22,020	27,863	186,990	22,641
Louisiana	110,702	112,082	100,239	119,178	1,312,174	113,450
Maine	435	676	578	913	5,663	673
Maryland	16,422	NA	NA	27,199	176,323	19,719
Massachusetts	NA	NA	NA	28,106	335,874	31,926
Michigan	75,400	111,785	107,100	132,212	813,457	91,646
Minnesota	24,430	36,635	41,073	52,956	305,174	40,732
Mississippi	NA	17,675	16,487	NA	201,209	15,567
Missouri	21,996	30,612	NA	45,959	253,682	27,553
Montana	5,177	5,599	6,596	8,249	54,071	7,152
Nebraska	9,429	12,423	13,573	18,652	127,779	11,394
Nevada	12,159	12,831	13,229	15,481	142,970	15,265
New Hampshire	1,909	2,539	2,590	3,115	19,103	2,033
New Jersey	NA	NA	NA	NA	579,099	63,273
New Mexico	NA	13,947	13,244	NA	127,354	16,540
New York	NA	NA	NA	NA	1,135,250	104,380
North Carolina	18,265	25,942	21,876	27,646	206,129	18,480
North Dakota	3,371	4,608	5,967	5,837	40,782	4,686
Ohio	72,047	108,748	107,797	121,138	794,255	96,990
Oklahoma	39,299	39,844	37,005	48,202	483,117	39,100
Oregon	16,583	18,300	19,220	21,832	192,094	21,441
Pennsylvania	55,521	81,221	82,151	90,650	587,218	68,314
Rhode Island	5,782	6,963	7,279	8,396	85,811	6,701
South Carolina	12,499	16,590	14,070	17,472	153,476	13,758
South Dakota	2,780	3,308	3,647	5,059	29,383	3,735
Tennessee	NA	26,599	28,478	38,880	263,778	28,282
Texas	264,665	262,704	257,691	296,777	3,634,920	329,660
Utah	12,390	12,665	15,666	16,888	139,380	19,111
Vermont	756	1,017	1,023	1,184	7,726	895
Virginia	20,645	28,606	27,709	29,226	234,692	24,576
Washington	NA	NA	NA	NA	254,067	26,180
West Virginia	NA	NA	11,820	14,083	104,879	11,105
Wisconsin	28,658	43,165	43,693	61,196	355,650	46,138
Wyoming	4,887	5,432	5,822	6,599	77,656	8,105
Total	1,609,570	1,963,560	1,946,776	2,324,255	19,469,047	1,969,258

^R Revised Data.

NA Not Available.

Notes: Geographic coverage is the 50 States and the District of Columbia. Gas volumes delivered for use as vehicle fuel are included in the annual total for commercial deliveries but not in the monthly components. See

Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Sources: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" and Form EIA-759, "Monthly Power Plant Report."

Table 20. Average City Gate Price, by State, 1998-2000

(Dollars per Thousand Cubic Feet)

State	YTD 2000	YTD 1999	YTD 1998	2000				
				June	May	April	March	February
Alabama	3.42	2.82	3.09	5.70	4.20	3.40	3.43	3.05
Alaska	1.60	1.31	1.72	1.59	1.62	1.60	1.64	1.56
Arizona	3.30	2.39	2.55	5.21	3.84	3.54	3.05	2.97
Arkansas	NA	NA	2.97	NA	NA	NA	NA	NA
California	3.22	2.32	2.34	4.42	3.44	3.40	2.90	2.88
Colorado	NA	1.99	2.62	NA	NA	NA	NA	NA
Connecticut	5.91	4.64	5.19	7.99	6.62	5.67	5.59	6.00
Delaware	3.14	3.54	2.69	2.99	2.82	2.74	3.04	3.29
District of Columbia	8.69	—	—	—	—	—	—	8.69
Florida	3.90	3.19	3.43	5.32	4.07	4.12	3.57	3.55
Georgia	NA	NA	3.44	NA	0.27	3.29	NA	NA
Hawaii	7.79	4.82	5.61	8.46	8.84	8.05	6.96	7.40
Idaho	2.74	1.81	1.92	4.08	3.13	3.15	2.64	2.52
Illinois	3.57	2.68	2.87	7.23	4.38	3.47	3.30	3.13
Indiana	NA	NA	2.40	NA	3.02	2.91	NA	NA
Iowa	3.73	2.92	3.25	5.45	7.00	3.72	3.75	3.47
Kansas	3.59	NA	2.93	4.82	4.02	3.44	3.48	3.61
Kentucky	3.87	3.14	3.29	4.88	4.94	3.55	3.90	3.88
Louisiana	3.60	2.33	2.43	4.84	3.68	3.85	3.39	3.30
Maine	NA	NA	3.45	NA	NA	5.01	NA	2.92
Maryland	4.15	NA	3.64	8.46	6.79	4.47	4.18	3.94
Massachusetts	NA	NA	3.83	NA	NA	NA	NA	NA
Michigan	3.02	2.81	2.79	3.02	3.00	3.06	2.90	3.01
Minnesota	NA	2.72	2.96	5.22	3.64	3.33	3.63	NA
Mississippi	NA	NA	3.04	3.61	3.39	NA	3.50	3.32
Missouri	3.77	2.98	3.25	7.33	5.62	4.33	3.68	3.40
Montana	2.92	2.52	2.47	3.25	2.90	2.80	3.02	3.05
Nebraska	3.44	3.01	3.00	5.11	3.73	3.69	3.36	3.54
Nevada	NA	2.53	3.12	5.24	4.39	4.01	3.55	3.50
New Hampshire	NA	3.57	3.79	NA	NA	4.16	4.65	3.91
New Jersey	NA	NA	3.56	NA	NA	NA	NA	NA
New Mexico	2.64	2.04	2.13	3.77	2.96	2.70	2.50	2.36
New York	NA	NA	2.56	NA	NA	NA	NA	NA
North Carolina	4.16	3.08	3.63	6.44	4.47	4.05	3.83	3.99
North Dakota	NA	2.77	2.81	4.78	4.12	3.59	3.66	NA
Ohio	5.53	4.87	4.71	5.89	7.94	5.93	6.73	4.85
Oklahoma	NA	2.80	2.57	3.19	3.36	2.88	3.01	2.66
Oregon	3.21	2.66	2.62	4.22	3.59	3.31	3.04	3.14
Pennsylvania	4.23	3.36	4.19	7.48	6.92	4.28	4.72	3.87
Rhode Island	3.37	3.88	4.13	4.87	3.74	2.92	3.17	3.30
South Carolina	4.08	3.23	3.38	5.73	4.55	4.14	3.84	3.84
South Dakota	4.08	3.37	3.35	6.39	7.12	4.09	3.83	4.04
Tennessee	NA	NA	3.71	NA	3.89	3.74	3.28	3.74
Texas	3.17	2.66	2.71	4.41	3.08	3.20	2.87	2.97
Utah	3.38	2.72	3.20	3.14	2.73	3.09	3.68	3.44
Vermont	3.70	2.98	2.72	4.05	4.10	3.71	3.80	3.56
Virginia	4.07	NA	3.76	6.32	7.25	3.28	4.01	4.10
Washington	NA	NA	2.42	NA	NA	NA	NA	NA
West Virginia	NA	NA	3.13	4.12	3.06	3.26	NA	NA
Wisconsin	3.42	2.81	3.32	5.67	4.20	3.41	3.44	3.20
Wyoming	4.52	3.12	2.42	4.56	4.04	4.96	4.78	4.37
Total	3.65	2.91	3.09	4.93	3.88	3.66	3.54	3.49

See footnotes at end of table.

Table 20

Table 20. Average City Gate Price, by State, 1998-2000

(Dollars per Thousand Cubic Feet) — Continued

State	2000	1999						
	January	Total	December	November	October	September	August	July
Alabama	2.95	^R 3.16	3.39	3.74	^R 4.16	^R 4.10	3.62	^R 3.69
Alaska	1.61	1.32	1.32	1.34	1.36	1.41	1.11	1.26
Arizona	2.70	2.72	2.68	3.37	3.30	3.66	3.52	3.26
Arkansas	NA	NA	2.26	NA	NA	^R 2.74	2.98	3.04
California	2.59	2.60	2.67	3.25	3.35	3.00	2.80	2.51
Colorado	NA	NA	2.27	NA	^R 2.46	^R 2.98	NA	NA
Connecticut	5.40	^R 4.91	5.42	^R 5.81	4.58	5.85	4.52	5.39
Delaware	3.80	3.45	2.78	3.48	2.73	4.01	3.53	4.43
District of Columbia	—	—	—	—	—	—	—	—
Florida	3.40	3.36	3.65	3.50	3.74	3.60	3.53	3.22
Georgia	NA	NA	NA	NA	NA	NA	NA	3.42
Hawaii	7.14	5.62	7.40	7.20	6.48	6.23	5.59	5.61
Idaho	2.50	2.23	2.50	3.07	2.94	3.27	2.74	2.72
Illinois	2.93	3.00	3.13	3.55	3.41	^R 3.87	3.73	3.23
Indiana	NA	NA	NA	NA	NA	^R 2.86	—	^R 2.32
Iowa	3.03	3.28	3.98	3.95	3.49	3.71	3.97	3.54
Kansas	3.21	NA	3.12	3.60	3.41	3.91	4.88	2.52
Kentucky	3.65	3.27	3.42	3.82	3.63	3.46	2.85	3.06
Louisiana	2.96	^R 2.63	2.71	3.84	3.16	3.34	^R 2.86	^R 2.54
Maine	^R 4.08	NA	4.33	2.66	3.37	2.69	3.18	5.39
Maryland	3.53	NA	3.29	4.28	^R 4.12	5.38	6.24	NA
Massachusetts	NA	NA	NA	NA	NA	NA	NA	NA
Michigan	3.11	2.83	2.93	2.95	2.86	2.83	2.79	2.83
Minnesota	NA	NA	NA	NA	2.85	3.72	3.52	3.30
Mississippi	3.10	NA	3.05	3.49	3.29	3.30	3.05	2.84
Missouri	3.07	3.34	3.02	3.87	4.23	5.38	5.25	5.14
Montana	2.72	2.57	2.91	3.00	2.65	2.30	2.12	2.08
Nebraska	2.97	3.12	3.50	3.79	3.14	3.28	2.33	3.25
Nevada	NA	2.59	3.27	3.01	3.20	3.94	5.42	0.83
New Hampshire	3.80	^R 4.04	4.09	^R 6.30	3.40	^R 5.64	3.96	^R 6.94
New Jersey	3.67	NA	NA	NA	NA	NA	NA	NA
New Mexico	2.50	NA	2.42	2.64	NA	NA	NA	2.06
New York	NA	NA	NA	NA	NA	NA	NA	NA
North Carolina	3.57	3.33	3.61	3.94	3.74	3.90	3.52	3.21
North Dakota	NA	NA	NA	4.13	3.38	3.41	3.35	2.90
Ohio	4.98	^R 4.83	4.48	4.66	4.90	5.21	^R 6.55	5.07
Oklahoma	NA	2.84	3.59	3.56	2.64	2.84	1.87	2.19
Oregon	2.97	2.94	3.03	3.44	3.10	3.64	4.05	3.74
Pennsylvania	3.44	3.64	3.33	4.03	4.09	4.98	6.70	5.13
Rhode Island	3.45	^R 4.18	5.29	4.37	4.79	4.95	^R 3.15	5.41
South Carolina	3.60	3.47	3.51	3.86	3.73	4.14	3.85	3.63
South Dakota	3.26	3.52	3.67	4.05	3.37	3.50	4.02	4.03
Tennessee	3.06	NA	3.69	4.21	3.71	3.53	4.18	3.25
Texas	2.98	2.84	2.92	3.45	3.17	2.98	2.98	2.77
Utah	3.45	2.98	3.54	3.34	2.75	3.23	2.93	4.04
Vermont	3.46	2.85	1.43	3.85	3.42	2.68	2.70	2.63
Virginia	3.71	NA	3.34	4.37	3.73	7.51	5.60	7.13
Washington	NA	NA	NA	NA	NA	NA	NA	NA
West Virginia	3.45	NA	^R 3.07	^R 3.82	3.46	1.33	NA	3.16
Wisconsin	2.94	^R 3.08	2.79	4.03	3.34	4.26	4.14	3.84
Wyoming	^R 4.39	NA	4.03	NA	3.28	3.99	3.81	3.51
Total	3.30	3.11	^R3.20	^R3.73	^R3.46	^R3.49	^R3.44	^R3.13

See footnotes at end of table.

Table 20. Average City Gate Price, by State, 1998-2000

(Dollars per Thousand Cubic Feet) — Continued

State	1999						1998	
	June	May	April	March	February	January	Total	December
Alabama	\$4.00	\$3.15	2.70	2.65	2.79	2.62	3.17	3.16
Alaska	1.27	1.23	1.32	1.33	1.34	1.32	1.72	1.73
Arizona	3.16	3.03	2.39	2.18	2.19	2.17	2.55	2.31
Arkansas	NA	NA	2.71	2.58	3.40	2.69	2.94	3.13
California	2.57	2.71	2.17	2.07	2.25	2.23	2.38	2.75
Colorado	2.44	2.36	1.14	1.84	2.07	2.25	2.40	2.74
Connecticut	4.33	5.19	4.87	4.57	4.74	4.44	5.06	5.51
Delaware	5.10	3.91	3.12	3.33	3.68	3.63	3.02	4.10
District of Columbia	—	—	—	—	—	—	—	—
Florida	3.27	3.27	2.99	3.11	3.19	3.33	3.42	3.50
Georgia	4.10	NA	3.11	3.33	3.45	4.41	3.51	4.34
Hawaii	5.45	4.72	4.68	4.53	4.47	5.07	5.33	5.17
Idaho	1.50	1.69	1.94	1.82	1.92	1.76	1.95	1.86
Illinois	3.17	3.62	2.63	2.51	2.59	2.49	2.77	2.75
Indiana	\$2.47	NA	NA	NA	2.26	2.11	2.45	2.43
Iowa	4.26	3.63	3.03	2.77	3.02	2.63	3.34	2.79
Kansas	3.08	2.94	2.54	NA	NA	2.96	2.79	2.79
Kentucky	2.89	3.63	3.72	2.79	3.10	3.21	3.23	3.08
Louisiana	\$2.63	\$2.74	\$2.46	2.16	2.19	2.18	2.33	2.48
Maine	3.67	NA	5.48	3.05	2.84	3.27	3.43	3.82
Maryland	5.86	NA	NA	NA	NA	2.87	4.12	5.70
Massachusetts	NA	5.89	NA	NA	NA	NA	4.01	3.15
Michigan	2.63	2.83	2.75	2.79	3.02	2.79	2.80	3.05
Minnesota	3.23	2.87	2.49	2.70	2.84	2.60	2.98	3.04
Mississippi	2.49	2.66	NA	2.61	2.71	NA	3.00	3.11
Missouri	4.90	4.56	3.43	2.75	2.89	2.49	3.33	2.77
Montana	2.20	1.37	2.39	2.98	2.70	2.76	2.43	2.44
Nebraska	3.24	3.45	2.94	2.90	3.11	2.90	3.02	3.10
Nevada	3.60	3.07	2.13	2.31	2.54	2.42	3.02	2.65
New Hampshire	\$4.47	3.32	3.59	3.24	3.56	3.73	3.75	3.88
New Jersey	NA	NA	NA	1.20	NA	NA	3.71	4.84
New Mexico	2.13	2.06	1.81	1.98	2.08	2.13	2.08	2.18
New York	NA	NA	NA	NA	NA	NA	2.65	3.04
North Carolina	3.34	3.52	3.25	2.73	3.00	3.11	3.49	3.09
North Dakota	2.83	2.97	2.57	2.58	2.84	2.85	2.81	3.01
Ohio	5.81	6.71	7.73	4.43	4.62	4.22	4.70	4.32
Oklahoma	2.47	2.23	2.35	2.36	5.21	2.41	2.55	2.54
Oregon	3.28	2.84	2.66	2.59	2.68	2.43	2.73	2.50
Pennsylvania	4.35	4.28	3.77	2.95	3.42	3.10	4.12	3.47
Rhode Island	4.73	\$5.37	\$3.05	\$3.79	\$3.87	\$3.95	3.78	1.26
South Carolina	3.80	3.85	3.43	2.86	3.09	3.14	3.39	3.24
South Dakota	3.72	4.21	3.37	3.25	3.37	3.18	3.24	2.69
Tennessee	2.75	2.81	NA	2.79	2.76	2.86	3.47	3.28
Texas	2.78	2.86	2.45	2.38	2.61	2.83	2.63	2.85
Utah	2.62	2.07	2.31	2.76	3.11	2.86	3.22	3.58
Vermont	3.12	3.34	3.07	2.92	3.01	2.85	2.58	2.52
Virginia	5.27	NA	3.70	3.35	2.97	3.31	3.74	3.28
Washington	NA	NA	NA	NA	NA	NA	2.34	2.38
West Virginia	3.89	2.64	NA	NA	3.21	6.98	3.17	3.80
Wisconsin	\$4.78	3.62	2.83	2.64	2.77	2.47	3.29	2.84
Wyoming	\$2.81	3.01	3.23	2.85	3.49	3.07	2.73	4.14
Total	\$3.21	\$3.26	2.91	\$2.68	2.94	\$2.85	3.07	3.10

^R Revised Data.

NA Not Available.

— Not Applicable.

Notes: Geographic coverage is the 50 States and the District of Columbia. Prices in this table represent the average price of natural gas by State at the

point where the gas transferred from a pipeline to a local distribution company within the State. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 21

Table 21. Average Price of Natural Gas Delivered to Residential Consumers, by State, 1998-2000

(Dollars per Thousand Cubic Feet)

State	YTD 2000	YTD 1999	YTD 1998	2000				
				June	May	April	March	February
Alabama	8.20	7.81	7.58	12.23	9.53	9.08	9.21	7.21
Alaska	3.47	3.62	3.69	3.86	3.66	3.45	3.53	3.36
Arizona	8.77	8.59	7.79	12.42	11.19	9.23	8.43	8.33
Arkansas	NA	6.49	6.60	NA	NA	NA	NA	NA
California	7.08	6.44	6.91	8.35	7.75	7.17	7.05	6.99
Colorado	NA	4.90	4.97	NA	NA	NA	NA	NA
Connecticut	10.74	10.15	10.37	13.08	11.02	11.04	10.54	10.51
Delaware	7.79	8.33	8.44	9.41	7.19	8.25	7.96	7.76
District of Columbia	8.86	8.26	8.74	8.59	9.87	9.28	8.99	8.69
Florida	11.94	11.29	10.51	14.99	14.18	13.27	11.95	10.45
Georgia	NA	NA	6.92	NA	7.13	6.31	8.44	7.36
Hawaii	20.96	18.42	19.50	22.20	22.11	20.93	20.37	20.31
Idaho	5.63	5.20	5.22	6.22	6.00	5.74	5.61	5.56
Illinois	5.85	4.95	5.35	9.87	8.60	6.23	5.71	5.32
Indiana	NA	NA	6.58	NA	8.43	6.62	NA	NA
Iowa	6.50	5.51	5.59	13.08	12.10	6.91	6.26	5.73
Kansas	6.47	NA	5.85	9.61	7.97	6.80	6.38	6.03
Kentucky	6.19	5.33	5.82	9.64	8.52	6.75	6.21	6.04
Louisiana	6.75	6.07	6.12	10.68	8.46	6.81	6.99	6.13
Maine	NA	7.50	8.23	NA	NA	8.96	9.30	7.34
Maryland	8.42	NA	7.85	13.77	11.46	8.96	8.71	7.67
Massachusetts	NA	NA	9.18	NA	NA	NA	NA	NA
Michigan	5.01	4.93	5.05	6.70	5.63	5.11	4.94	4.79
Minnesota	NA	5.22	5.33	8.93	7.04	6.11	5.86	NA
Mississippi	NA	NA	5.87	10.17	5.87	NA	6.86	5.66
Missouri	6.56	5.80	6.19	10.55	8.35	6.92	6.34	6.04
Montana	5.50	4.91	5.06	7.19	6.42	5.27	5.43	5.28
Nebraska	5.40	4.61	5.06	8.46	6.95	5.72	5.38	5.06
Nevada	NA	6.97	6.86	7.67	7.18	6.79	6.25	6.25
New Hampshire	8.11	7.32	8.07	8.35	7.71	7.18	8.51	8.32
New Jersey	NA	NA	6.78	NA	NA	NA	NA	NA
New Mexico	5.66	4.86	5.29	4.69	9.11	4.99	6.04	5.26
New York	NA	NA	9.43	NA	NA	NA	NA	NA
North Carolina	8.53	7.71	8.20	12.53	10.95	8.47	9.07	7.58
North Dakota	NA	4.82	4.89	7.57	6.66	5.36	5.04	4.73
Ohio	6.39	5.89	6.13	8.71	7.30	6.43	6.30	6.09
Oklahoma	6.18	5.15	5.61	9.51	7.64	6.35	6.23	5.57
Oregon	7.48	6.94	6.54	8.42	7.91	7.18	7.48	7.42
Pennsylvania	NA	7.98	8.25	NA	NA	NA	7.79	NA
Rhode Island	7.01	9.12	9.18	10.64	9.28	9.46	8.73	4.23
South Carolina	8.83	8.38	7.99	10.44	9.05	8.86	9.53	8.40
South Dakota	6.26	5.31	5.41	10.19	9.27	6.24	5.97	5.87
Tennessee	NA	NA	6.43	NA	7.90	7.54	7.34	6.45
Texas	6.10	5.48	5.87	9.97	6.99	6.91	6.20	5.49
Utah	6.20	5.21	5.51	6.99	6.82	6.36	5.91	6.16
Vermont	7.59	6.75	6.43	8.89	8.11	7.71	7.45	7.33
Virginia	8.27	NA	8.24	12.54	9.80	8.90	8.32	7.78
Washington	NA	NA	5.81	NA	NA	NA	NA	NA
West Virginia	NA	NA	7.00	9.60	7.80	7.50	NA	7.02
Wisconsin	6.45	6.05	6.15	9.56	6.59	7.10	6.49	6.19
Wyoming	5.17	5.10	5.10	6.17	5.45	5.38	5.05	4.94
Total	6.81	6.28	6.64	9.05	7.94	7.05	6.82	6.45

See footnotes at end of table.

Table 21. Average Price of Natural Gas Delivered to Residential Consumers, by State, 1998-2000

(Dollars per Thousand Cubic Feet) — Continued

State	2000	1999						
	January	Total	December	November	October	September	August	July
Alabama	7.41	8.37	8.22	9.17	10.27	11.61	11.91	11.38
Alaska	3.34	3.64	3.45	3.58	3.70	3.84	4.27	4.31
Arizona	7.88	9.18	8.76	10.32	11.84	12.63	12.84	12.26
Arkansas	NA	NA	6.56	NA	9.42	8.95	10.63	9.65
California	6.30	6.62	6.52	7.13	7.51	6.88	7.21	7.04
Colorado	NA	5.24	5.13	5.64	6.04	7.43	7.59	7.16
Connecticut	10.49	10.39	11.04	10.89	11.17	9.77	11.45	10.47
Delaware	7.40	8.62	8.02	8.99	10.69	12.48	12.52	10.58
District of Columbia	8.54	NA	8.02	10.10	11.34	12.39	8.28	NA
Florida	10.62	12.12	11.19	12.87	14.76	15.03	14.74	14.25
Georgia	6.74	NA	7.56	7.98	6.78	8.40	10.62	11.45
Hawaii	19.99	18.97	20.18	19.50	20.03	19.71	19.38	18.71
Idaho	5.45	5.43	5.57	5.82	5.92	6.58	6.55	6.21
Illinois	5.12	5.53	5.39	6.31	6.91	8.49	9.46	8.85
Indiana	5.41	NA	5.43	6.13	6.57	8.75	9.10	9.27
Iowa	5.27	6.11	6.10	6.52	7.56	9.24	13.37	9.40
Kansas	5.98	NA	6.18	7.02	7.58	9.02	8.66	8.77
Kentucky	5.56	5.73	5.93	5.87	7.00	7.53	8.16	8.17
Louisiana	5.92	6.90	7.30	8.44	9.10	9.59	9.37	8.55
Maine	7.87	7.50	6.63	7.40	7.83	7.10	9.13	9.11
Maryland	7.38	NA	8.19	9.02	10.03	12.70	12.97	NA
Massachusetts	NA							
Michigan	4.77	5.12	4.85	5.13	5.59	7.15	7.75	7.68
Minnesota	NA	NA	NA	NA	6.25	7.47	7.91	8.04
Mississippi	5.81	NA	5.87	7.03	7.62	7.77	7.77	7.22
Missouri	6.16	6.28	6.38	6.84	7.73	9.35	10.48	9.85
Montana	5.25	5.15	5.03	5.32	5.57	6.27	7.46	6.58
Nebraska	4.76	5.06	5.23	6.02	6.52	7.73	8.04	7.13
Nevada	NA	7.10	6.16	7.18	8.24	8.85	9.03	8.86
New Hampshire	8.15	7.73	8.65	9.07	7.25	8.75	9.29	8.68
New Jersey	8.90	NA						
New Mexico	5.72	4.96	4.10	3.78	4.46	9.67	10.81	9.10
New York	NA							
North Carolina	8.27	8.32	8.95	8.95	10.76	11.70	13.19	11.74
North Dakota	NA	NA	NA	5.71	6.10	7.31	7.90	7.54
Ohio	6.18	NA	6.36	6.57	6.76	8.04	NA	8.41
Oklahoma	5.80	5.85	6.23	8.06	8.21	9.13	9.49	8.80
Oregon	7.33	7.17	7.10	7.16	7.67	8.64	8.91	10.50
Pennsylvania	7.31	8.22	7.67	8.14	9.20	10.69	11.99	11.40
Rhode Island	8.87	9.53	9.54	10.00	10.45	12.23	12.29	12.14
South Carolina	8.76	8.61	8.76	8.85	9.37	10.20	10.46	10.20
South Dakota	5.36	5.83	6.10	6.27	7.09	8.26	9.81	8.69
Tennessee	6.03	NA	7.47	7.48	8.43	8.06	9.25	8.86
Texas	5.26	6.03	5.53	7.26	8.43	9.00	9.13	7.40
Utah	6.16	5.37	5.49	5.90	5.11	5.44	6.25	5.54
Vermont	7.42	7.13	7.65	7.51	7.63	9.33	9.38	9.33
Virginia	7.65	NA	8.16	9.57	12.04	14.20	14.40	13.85
Washington	NA							
West Virginia	7.44	NA	NA	NA	8.09	9.61	NA	10.66
Wisconsin	5.99	6.19	6.09	6.98	5.47	7.21	7.45	7.14
Wyoming	5.00	5.28	5.14	5.48	5.45	6.09	7.18	6.74
Total	6.30	6.62	6.48	7.09	7.50	8.45	8.96	8.54

See footnotes at end of table.

Table 21. Average Price of Natural Gas Delivered to Residential Consumers, by State, 1998-2000

(Dollars per Thousand Cubic Feet) — Continued

State	1999						1998	
	June	May	April	March	February	January	Total	December
Alabama	10.98	9.83	7.83	7.03	8.29	7.13	8.21	9.06
Alaska	4.10	3.81	3.65	3.59	3.53	3.53	3.67	3.51
Arizona	11.03	9.57	8.75	8.57	8.17	8.03	8.50	8.34
Arkansas	9.45	8.25	6.70	6.16	6.94	5.66	6.85	6.82
California	6.82	6.22	5.98	6.22	6.54	6.82	6.92	6.88
Colorado	6.13	5.12	5.00	4.86	4.75	4.60	5.22	4.94
Connecticut	10.78	11.30	10.29	10.08	10.18	9.71	10.60	10.97
Delaware	10.97	9.32	8.39	8.05	8.10	8.05	8.90	8.58
District of Columbia	8.24	8.95	7.96	7.76	8.25	8.61	8.91	8.82
Florida	13.92	12.64	11.46	10.58	11.16	10.29	11.29	11.35
Georgia	10.16	NA	4.12	2.44	2.38	2.01	6.78	2.42
Hawaii	18.56	18.60	18.04	18.15	18.34	18.79	19.25	18.86
Idaho	5.83	5.46	5.31	5.10	5.13	5.03	5.33	5.15
Illinois	8.12	7.66	5.27	4.63	4.62	4.46	5.47	4.77
Indiana	8.86	7.64	NA	NA	NA	5.36	6.56	5.75
Iowa	11.36	7.77	6.00	5.26	5.07	4.79	5.96	4.96
Kansas	7.74	6.65	5.60	NA	NA	NA	6.00	5.52
Kentucky	7.75	6.75	5.46	4.82	5.27	5.24	6.03	5.35
Louisiana	8.03	7.58	6.19	5.98	5.86	5.42	6.68	6.89
Maine	9.24	8.64	7.85	7.38	7.34	7.00	8.09	7.64
Maryland	11.87	NA	7.98	NA	NA	7.37	8.29	8.12
Massachusetts	NA	NA	NA	NA	9.19	9.39	9.42	9.67
Michigan	6.46	5.72	5.10	4.78	4.76	4.68	5.17	4.87
Minnesota	7.19	6.26	5.21	5.08	5.06	4.96	5.48	5.22
Mississippi	7.12	6.92	NA	4.94	5.94	4.84	6.08	6.44
Missouri	6.09	7.08	6.06	5.41	5.70	5.71	6.57	6.20
Montana	5.99	4.66	4.95	4.94	4.93	4.75	5.25	4.99
Nebraska	6.76	5.33	4.70	4.47	4.38	4.37	5.13	4.60
Nevada	8.15	7.39	7.00	6.94	6.75	6.70	7.11	6.74
New Hampshire	7.88	6.38	5.67	8.23	7.60	7.44	8.12	7.98
New Jersey	NA	NA	NA	NA	NA	NA	7.33	8.16
New Mexico	8.08	8.82	5.63	4.03	4.92	3.54	5.22	3.23
New York	NA	NA	NA	NA	NA	NA	9.59	9.30
North Carolina	12.98	8.76	7.92	6.20	8.40	7.56	8.69	9.45
North Dakota	7.23	5.19	4.71	4.76	4.67	4.62	5.16	5.01
Ohio	7.89	6.83	5.83	5.63	5.69	5.87	6.43	6.08
Oklahoma	3.77	6.95	5.59	5.33	5.48	4.45	5.93	5.51
Oregon	7.75	7.26	7.04	6.91	6.80	6.68	6.81	6.75
Pennsylvania	10.69	9.19	7.68	7.73	7.78	7.80	8.45	7.78
Rhode Island	11.36	9.79	9.48	8.88	8.90	8.71	9.56	9.40
South Carolina	9.89	8.48	8.17	7.81	9.14	8.25	8.30	8.95
South Dakota	8.46	6.48	5.43	5.00	5.09	4.89	5.59	4.99
Tennessee	9.32	NA	NA	6.36	6.06	5.71	6.73	6.74
Texas	7.90	6.94	6.00	5.18	5.20	4.89	6.16	5.40
Utah	5.78	4.83	4.19	5.59	5.33	5.51	5.57	5.61
Vermont	8.42	7.41	6.83	6.68	6.29	6.64	6.54	6.38
Virginia	13.36	NA	8.72	7.34	7.98	7.96	8.57	8.09
Washington	NA	NA	NA	NA	NA	NA	5.84	5.79
West Virginia	9.88	NA	NA	NA	6.96	6.90	7.29	7.18
Wisconsin	6.70	5.91	6.13	6.05	6.28	5.82	6.15	6.00
Wyoming	5.94	5.08	5.03	5.19	5.03	4.98	5.19	4.91
Total	7.96	7.11	6.32	6.01	6.24	5.99	6.82	6.34

^R Revised Data.

NA Not Available.

Notes: Data for 1998 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District

of Columbia. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 22. Average Price of Natural Gas Sold to Commercial Consumers, by State, 1998-2000

(Dollars per Thousand Cubic Feet)

State	YTD 2000	YTD 1999	YTD 1998	2000				
				June	May	April	March	February
Alabama	6.97	6.50	6.46	8.23	7.12	7.09	7.39	6.49
Alaska	2.07	2.25	2.37	2.02	1.91	1.96	2.13	2.12
Arizona	6.31	6.12	5.81	6.58	6.60	6.31	6.23	6.24
Arkansas	NA	NA	5.16	NA	NA	NA	NA	NA
California	6.65	5.62	6.63	6.97	6.55	6.74	6.89	6.87
Colorado	NA	NA	4.40	NA	NA	NA	NA	NA
Connecticut	6.70	6.68	7.29	6.16	5.26	7.01	6.27	6.82
Delaware	6.33	6.80	6.83	6.89	6.85	6.58	6.40	6.46
District of Columbia	8.13	7.05	7.31	7.25	7.77	8.15	8.34	8.55
Florida	7.21	6.32	6.54	7.79	7.49	7.24	7.12	6.98
Georgia	NA	NA	6.21	NA	5.47	5.23	5.20	5.15
Hawaii	16.70	13.46	14.54	17.66	17.59	16.71	16.09	16.12
Idaho	4.95	4.62	4.54	5.10	5.12	5.13	4.88	4.90
Illinois	5.54	4.74	4.97	10.39	7.63	5.92	5.41	5.08
Indiana	NA	NA	5.67	NA	6.62	5.57	5.57	5.56
Iowa	5.38	4.42	4.53	8.95	9.59	5.48	5.17	4.91
Kansas	4.27	NA	4.93	4.85	3.91	4.10	4.16	4.40
Kentucky	5.59	4.82	5.44	6.89	6.47	5.78	5.61	5.28
Louisiana	6.07	5.32	5.47	8.70	6.29	5.61	5.94	5.67
Maine	NA	6.76	7.52	NA	NA	7.44	NA	6.79
Maryland	7.11	NA	6.45	8.64	7.20	8.09	7.27	7.07
Massachusetts	NA	NA	7.51	NA	NA	NA	NA	NA
Michigan	4.75	4.77	4.86	5.53	5.00	4.80	4.69	4.65
Minnesota	NA	4.26	4.45	6.33	5.21	5.00	4.94	5.00
Mississippi	NA	NA	4.96	8.85	5.58	NA	5.58	5.19
Missouri	5.89	5.25	5.67	6.83	6.24	6.09	5.54	5.79
Montana	4.89	4.87	4.97	5.81	5.21	4.54	4.97	4.67
Nebraska	4.56	3.99	4.52	5.57	4.73	4.64	4.65	4.56
Nevada	5.46	5.99	6.06	5.66	5.65	5.50	5.39	5.44
New Hampshire	NA	NA	7.32	NA	NA	6.67	NA	7.80
New Jersey	NA	NA	4.02	NA	NA	NA	NA	NA
New Mexico	4.19	3.25	4.29	3.53	3.91	7.27	4.06	4.00
New York	NA	NA	6.43	3.09	NA	NA	NA	NA
North Carolina	6.74	6.07	6.60	7.01	6.60	6.17	7.35	6.51
North Dakota	NA	4.11	4.21	5.63	5.29	4.64	4.51	4.31
Ohio	5.98	5.50	5.69	7.33	6.61	5.86	5.86	5.84
Oklahoma	5.68	4.86	5.13	6.69	5.44	5.40	5.88	5.48
Oregon	6.06	5.62	5.14	6.16	6.07	6.06	6.06	6.06
Pennsylvania	NA	8.99	7.56	3.60	NA	7.50	7.31	7.11
Rhode Island	7.56	7.89	7.95	8.70	8.14	7.97	7.70	7.39
South Carolina	7.21	6.52	6.62	7.05	6.61	7.02	7.57	7.26
South Dakota	4.92	4.17	4.35	7.18	6.97	4.77	4.64	4.68
Tennessee	NA	5.35	5.90	NA	6.06	6.38	6.52	6.05
Texas	4.65	4.29	4.63	5.92	4.31	4.89	4.41	4.61
Utah	4.63	3.93	4.25	4.40	4.37	4.24	4.63	4.70
Vermont	6.19	5.34	5.24	6.38	6.20	6.17	6.17	6.18
Virginia	6.31	5.84	6.11	7.23	6.45	6.30	6.18	6.25
Washington	NA	NA	4.68	NA	NA	NA	NA	NA
West Virginia	6.28	6.28	6.25	7.55	6.76	6.50	6.29	5.97
Wisconsin	5.31	4.81	4.82	6.47	4.96	5.93	5.34	5.15
Wyoming	4.39	4.50	4.78	4.83	4.63	4.80	3.76	4.46
Total	5.43	5.18	5.58	5.63	5.32	5.57	5.25	5.54

See footnotes at end of table.

Table 22

**Table 22. Average Price of Natural Gas Sold to Commercial Consumers, by State,
1998-2000**

(Dollars per Thousand Cubic Feet) — Continued

State	2000	1999						
	January	Total	December	November	October	September	August	July
Alabama	6.78	6.71	6.98	7.07	6.88	7.22	7.31	7.22
Alaska	2.16	2.16	2.15	2.14	2.13	1.94	1.79	1.83
Arizona	6.14	6.18	6.21	6.34	6.32	6.27	6.38	6.13
Arkansas	NA	NA	4.25	NA	NA	NA	5.77	5.69
California	6.05	5.83	6.40	6.38	6.33	5.96	6.08	5.68
Colorado	NA	NA	4.48	4.41	NA	4.49	NA	4.47
Connecticut	7.97	6.59	7.87	6.91	6.10	5.27	4.91	5.13
Delaware	5.69	7.02	6.94	7.21	7.51	8.20	8.78	8.29
District of Columbia	7.89	NA	—	8.72	8.35	8.14	6.92	NA
Florida	6.87	6.52	6.84	6.98	6.85	6.89	6.63	6.50
Georgia	5.37	NA	5.83	5.95	11.91	7.36	5.59	6.58
Hawaii	16.02	14.33	15.80	15.90	15.71	14.90	14.45	14.46
Idaho	4.86	4.77	4.92	5.21	5.10	5.25	4.96	4.89
Illinois	4.95	5.25	5.39	6.18	6.36	7.26	8.57	7.98
Indiana	NA	NA	NA	NA	5.34	5.95	6.17	6.63
Iowa	4.57	4.80	5.23	5.28	5.47	5.80	6.19	6.25
Kansas	4.25	NA	5.81	6.09	5.51	4.78	4.92	5.48
Kentucky	5.43	5.15	5.78	5.61	5.78	5.60	5.73	5.75
Louisiana	5.46	5.70	6.10	6.68	6.22	6.45	6.23	5.79
Maine	6.65	6.70	6.25	6.68	6.84	6.89	6.89	6.81
Maryland	6.36 NA	NA	6.61 NA	7.52 NA	8.19 NA	8.76 NA	7.34 NA	7.79 NA
Massachusetts	NA							
Michigan	4.66	4.84	4.58	4.93	5.18	5.71	6.08	5.86
Minnesota	NA	4.44	4.53	5.08	4.62	5.02	4.65	4.50
Mississippi	4.64	NA	4.95	5.41	5.01	4.62	4.88	4.45
Missouri	5.90	5.38	5.80	5.54	5.40	5.58	5.81	5.68
Montana	4.88	5.10	5.06	5.37	5.67	5.87	6.54	5.99
Nebraska	4.19	4.10	4.32	4.62	4.33	4.36	4.11	3.84
Nevada	5.37	5.99	5.39	6.00	6.31	6.50	6.33	6.49
New Hampshire	7.44	NA	7.78	7.83	5.92	6.19	6.66	6.16
New Jersey	2.95	NA						
New Mexico	4.22	3.38	3.49	3.01	2.83	4.16	5.60	4.64
New York	NA							
North Carolina	6.80	6.31	7.34	6.83	6.61	6.13	6.28	6.13
North Dakota	NA	NA	NA	NA	5.05	5.21	4.97	5.07
Ohio	5.96	NA	6.02	6.04	5.91	6.17	NA	6.60
Oklahoma	5.75	5.11	6.05	5.81	5.23	5.30	5.36	5.43
Oregon	6.04	5.80	5.90	5.63	7.76	5.95	5.98	5.83
Pennsylvania	6.77	8.38	7.01	6.90	7.76	7.70	8.21	7.83
Rhode Island	6.94	8.01	7.85	8.01	8.15	8.58	14.12	8.91
South Carolina	7.36	6.52	7.04	7.16	6.05	6.12	6.01	5.90
South Dakota	4.36	4.52	5.09	4.86	5.36	5.56	5.99	5.29
Tennessee	4.78	5.57	6.43	6.31	5.34	5.05	5.89	5.79
Texas	4.34	4.39	4.45	4.88	4.81	4.70	4.31	4.02
Utah	4.82	4.12	4.54	4.72	3.98	3.99	4.10	4.19
Vermont	6.20	5.54	6.20	5.98	5.54	5.68	5.76	5.72
Virginia	6.14	6.04	6.24	6.35	6.59	6.50	6.33	6.22
Washington	NA							
West Virginia	6.14	NA	NA	6.18	6.29	7.01	6.93	6.76
Wisconsin	5.07	4.94	5.20	5.83	4.12	5.50	4.98	4.68
Wyoming	4.43	4.50	4.39	4.53	4.52	4.50	4.92	4.68
Total	5.38	5.27	5.46	5.46	5.36	5.43	5.36	5.26

See footnotes at end of table.

Table 22. Average Price of Natural Gas Sold to Commercial Consumers, by State, 1998-2000

(Dollars per Thousand Cubic Feet) — Continued

State	1999						1998	
	June	May	April	March	February	January	Total	December
Alabama	7.08	6.86	6.26	6.10	6.93	6.33	6.65	7.07
Alaska	1.76	1.95	2.28	2.34	2.38	2.44	2.41	2.46
Arizona	6.05	6.07	6.11	6.12	6.18	6.15	6.00	6.31
Arkansas	NA	NA	5.24	4.85	5.27	4.70	5.16	5.28
California	5.43	5.24	5.57	5.17	6.28	5.82	6.33	6.38
Colorado	4.38	4.18	NA	4.14	4.12	4.15	4.34	4.21
Connecticut	5.39	6.51	6.68	6.93	7.03	6.63	6.89	7.60
Delaware	7.89	7.31	6.82	6.69	6.59	6.68	7.05	6.89
District of Columbia	6.84	6.64	6.70	6.92	7.06	7.53	7.36	7.67
Florida	6.35	6.29	6.19	6.22	6.42	6.41	6.40	6.23
Georgia	6.00	NA	3.43	2.17	2.35	3.78	6.00	2.77
Hawaii	14.00	13.28	13.08	13.19	13.41	13.79	14.15	13.81
Idaho	4.92	4.85	4.83	4.49	4.59	4.46	4.62	4.59
Illinois	7.15	6.61	4.83	4.46	4.48	4.47	5.07	4.69
Indiana	6.90	5.81	5.20	NA	4.52	4.39	5.50	4.72
Iowa	6.44	5.51	4.67	4.11	4.30	4.12	4.67	4.06
Kansas	5.85	5.54	4.91	NA	NA	NA	4.98	5.11
Kentucky	5.59	4.36	5.03	4.39	4.93	4.98	5.43	5.12
Louisiana	5.56	5.56	5.24	5.29	5.22	5.25	5.64	6.02
Maine	6.70	7.20	7.01	6.81	6.79	6.48	7.23	6.96
Maryland	8.29	NA	7.03	NA	NA	6.49	6.64	7.11
Massachusetts	6.12	6.24	7.79	7.72	NA	8.08	7.32	7.68
Michigan	5.67	5.14	4.94	4.69	4.68	4.65	4.90	4.78
Minnesota	4.61	4.38	4.01	4.20	4.25	4.33	4.39	4.37
Mississippi	4.44	4.79	NA	4.25	4.95	NA	4.74	5.04
Missouri	3.63	5.22	5.19	5.06	5.43	5.55	5.68	5.60
Montana	5.63	4.60	4.88	4.90	4.91	4.80	5.13	5.01
Nebraska	3.94	3.84	3.77	3.98	4.00	4.14	4.25	3.77
Nevada	6.40	6.09	6.10	5.89	5.92	5.85	6.28	6.22
New Hampshire	6.25	NA	5.40	6.97	7.15	6.89	7.18	7.38
New Jersey	NA	NA	NA	NA	NA	NA	3.70	3.15
New Mexico	3.56	3.47	4.47	3.53	3.40	2.45	4.04	3.15
New York	NA	NA	NA	NA	NA	NA	6.08	6.05
North Carolina	6.12	5.85	5.62	5.87	6.44	6.25	6.63	7.16
North Dakota	4.98	3.94	3.94	4.09	4.04	4.19	4.37	4.33
Ohio	6.55	5.82	5.37	5.26	5.33	5.67	5.83	5.69
Oklahoma	5.98	4.98	4.70	5.09	5.23	4.49	5.05	4.10
Oregon	5.75	5.65	5.65	5.63	5.64	5.51	5.25	5.96
Pennsylvania	8.96	7.09	19.91	7.00	7.22	7.26	7.43	6.82
Rhode Island	8.70	8.45	8.03	7.73	7.75	7.74	8.12	8.02
South Carolina	6.00	6.04	6.45	6.40	6.94	6.75	6.48	6.77
South Dakota	5.37	4.91	4.23	3.90	4.16	3.92	4.43	3.98
Tennessee	5.48	5.39	5.31	5.68	5.72	4.92	6.04	6.40
Texas	4.37	4.16	4.47	4.04	4.29	4.36	4.44	4.30
Utah	3.85	3.31	3.24	4.25	4.14	4.20	4.35	4.53
Vermont	5.64	5.57	5.50	5.49	5.23	5.12	5.08	4.72
Virginia	5.79	5.90	5.82	5.67	6.04	5.81	6.12	6.02
Washington	NA	NA	NA	NA	NA	NA	4.75	4.68
West Virginia	6.95	6.88	6.06	6.19	6.23	6.23	6.26	5.97
Wisconsin	4.66	4.28	4.41	4.77	4.89	5.04	4.70	4.68
Wyoming	4.53	4.51	4.44	4.51	4.48	4.55	4.45	2.85
Total	5.27	5.13	5.71	5.00	5.17	5.06	5.48	5.23

^R Revised Data.

NA Not Available.

— Not Applicable.

Notes: Data for 1998 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. Average prices for gas delivered to commercial consumers

reflect onsystem sales prices only. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy. See Table 25 for data on onsystem sales expressed as a percentage of both total commercial and total industrial deliveries.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 23

Table 23. Average Price of Natural Gas Sold to Industrial Consumers, by State, 1998-2000
(Dollars per Thousand Cubic Feet)

State	YTD 2000	YTD 1999	YTD 1998	2000				
				June	May	April	March	February
Alabama	3.69	3.21	3.33	4.75	3.65	3.57	3.44	3.47
Alaska	1.44	1.20	1.46	1.51	1.40	1.49	1.43	1.41
Arizona	3.81	3.40	3.36	4.50	4.00	4.10	3.53	3.54
Arkansas	4.60	NA	3.60	4.73	4.66	4.64	4.47	4.47
California	4.43	NA	4.01	5.09	4.53	4.45	4.37	4.45
Colorado	NA	2.35	1.77	NA	NA	NA	NA	2.81
Connecticut	5.23	4.13	4.68	4.86	4.67	5.00	5.49	5.53
Delaware	4.39	3.99	4.23	5.14	4.90	5.05	4.24	5.40
District of Columbia	—	—	—	—	—	—	—	—
Florida	4.53	3.86	4.14	5.29	4.88	3.93	4.49	4.40
Georgia	NA	2.81	4.35	NA	3.82	3.90	3.67	4.00
Hawaii	9.20	8.23	—	10.20	10.13	9.57	8.53	8.48
Idaho	3.48	3.21	3.09	3.43	3.44	3.53	3.42	3.50
Illinois	4.38	3.64	4.19	5.16	4.92	4.33	5.05	3.78
Indiana	4.52	NA	4.38	4.60	5.04	4.47	4.47	5.68
Iowa	4.21	3.64	3.17	3.55	6.15	4.26	4.26	3.88
Kansas	3.68	NA	3.58	3.81	3.28	3.86	3.56	4.03
Kentucky	3.94	3.11	4.18	4.41	4.03	3.76	3.60	4.07
Louisiana	3.23	2.15	2.69	4.41	NA	3.27	3.15	2.94
Maine	NA	5.18	5.69	—	—	5.42	5.80	5.16
Maryland	NA	5.38	5.57	6.87	6.35	5.99	6.67	7.89
Massachusetts	NA	NA	6.09	NA	NA	NA	NA	NA
Michigan	4.05	3.80	3.82	4.67	4.17	4.08	4.18	3.84
Minnesota	3.53	2.75	2.96	4.72	3.53	3.46	3.29	3.31
Mississippi	NA	NA	3.31	4.71	3.64	NA	3.49	3.52
Missouri	4.95	NA	4.53	5.13	5.03	5.04	4.65	5.12
Montana	4.58	4.37	4.40	3.75	4.44	5.88	4.22	4.51
Nebraska	4.03	3.21	3.40	4.70	3.68	3.65	3.77	4.48
Nevada	4.57	4.53	5.93	3.95	4.39	3.66	4.68	5.08
New Hampshire	NA	4.35	5.13	—	NA	5.39	NA	7.70
New Jersey	NA	NA	3.36	NA	NA	NA	NA	NA
New Mexico	2.89	NA	3.75	2.74	3.41	2.41	2.84	2.79
New York	NA	NA	4.78	4.97	5.30	NA	NA	4.98
North Carolina	4.40	3.39	4.12	4.24	3.61	4.21	4.71	5.13
North Dakota	4.24	2.54	3.01	4.68	13.05	3.21	3.07	3.02
Ohio	5.11	5.02	4.33	4.44	5.44	4.49	4.97	5.39
Oklahoma	4.63	3.59	3.79	5.38	4.58	4.46	4.48	4.63
Oregon	4.68	3.95	3.71	4.35	NA	4.38	4.46	4.31
Pennsylvania	NA	4.28	4.34	4.86	NA	4.67	4.69	4.96
Rhode Island	4.61	4.00	4.07	5.42	4.77	4.67	5.34	5.54
South Carolina	4.20	3.02	3.48	5.15	4.10	4.01	3.94	4.16
South Dakota	3.53	3.14	3.36	4.03	3.83	3.39	3.52	3.46
Tennessee	NA	3.40	3.98	NA	4.25	3.33	3.42	2.99
Texas	3.16	NA	2.46	4.25	3.31	3.08	2.80	2.72
Utah	3.23	3.01	2.91	3.02	3.16	2.69	3.44	3.39
Vermont	4.19	2.79	2.93	4.52	3.98	3.98	4.01	4.38
Virginia	NA	3.85	4.11	4.70	4.74	NA	4.27	4.09
Washington	NA	NA	2.84	NA	NA	NA	NA	NA
West Virginia	4.54	NA	3.34	4.77	3.12	5.25	4.13	4.53
Wisconsin	4.39	3.76	3.93	5.43	4.02	4.45	4.26	4.32
Wyoming	NA	3.17	3.40	NA	NA	3.36	3.28	3.30
Total	3.59	2.88	3.37	4.26	3.71	3.59	3.37	3.44

See footnotes at end of table.

Table 23. Average Price of Natural Gas Sold to Industrial Consumers, by State, 1998-2000

(Dollars per Thousand Cubic Feet) — Continued

State	2000	1999						
	January	Total	December	November	October	September	August	July
Alabama	3.45	3.32	3.42	3.79	3.39	3.59	3.33	3.06
Alaska	1.40	1.25	1.37	1.34	1.29	1.16	1.33	1.27
Arizona	3.38	3.42	3.44	3.63	3.55	3.48	3.29	3.26
Arkansas	4.58	NA	4.69	3.96	4.84	4.89	3.92	3.64
California	3.82	NA	4.05	4.44	4.02	2.44	3.67	3.48
Colorado	NA	NA	2.53	3.30	2.83	3.12	2.96	NA
Connecticut	5.36	4.18	4.93	4.63	4.16	3.92	3.82	3.54
Delaware	2.64	4.16	3.96	5.25	4.61	4.64	4.25	4.16
District of Columbia	—	—	—	—	—	—	—	—
Florida	4.06	3.99	4.18	4.42	3.86	4.35	4.20	3.99
Georgia	4.31	3.25	4.08	4.01	3.98	3.96	3.42	4.11
Hawaii	8.28	8.21	8.28	8.19	8.29	8.28	8.04	8.04
Idaho	3.54	3.30	3.55	3.51	3.29	3.23	3.22	3.59
Illinois	4.06	4.04	4.58	4.76	5.17	4.56	4.05	4.17
Indiana	3.60	NA	3.69	3.91	3.91	3.94	3.44	3.93
Iowa	4.14	3.96	5.03	4.95	4.63	4.59	3.96	2.30
Kansas	3.59	NA	3.48	3.75	3.38	2.82	2.62	2.52
Kentucky	3.87	3.30	4.12	3.65	3.34	3.36	3.26	2.99
Louisiana	2.77	2.53	2.90	3.04	2.83	3.02	2.76	2.53
Maine	4.60	R4.92	4.98	4.92	4.60	R4.44	4.58	4.38
Maryland	NA	5.54	6.14	5.62	5.38	6.78	4.48	5.74
Massachusetts	NA	NA	NA	NA	NA	NA	5.50	NA
Michigan	3.92	3.92	3.92	3.81	4.25	4.51	4.81	5.11
Minnesota	3.28	NA	NA	4.29	3.94	3.47	2.68	2.87
Mississippi	3.35	NA	3.21	3.80	3.39	3.63	3.36	3.09
Missouri	4.87	NA	4.99	4.41	4.41	4.13	3.92	3.69
Montana	4.40	4.55	4.40	4.44	5.29	5.71	6.07	5.67
Nebraska	3.92	3.39	3.59	4.10	3.63	3.68	3.50	3.16
Nevada	4.82	4.63	4.81	4.84	4.51	4.83	4.79	4.71
New Hampshire	7.03	4.56	8.34	5.74	3.79	3.78	3.66	3.49
New Jersey	2.42	NA	NA	NA	NA	NA	NA	NA
New Mexico	3.44	NA	2.09	2.29	NA	NA	NA	3.39
New York	5.13	NA	4.94	4.95	4.95	4.84	NA	NA
North Carolina	5.04	3.73	5.13	4.71	5.60	3.77	3.10	3.03
North Dakota	3.17	NA	NA	3.17	3.14	3.24	3.00	2.73
Ohio	5.38	NA	5.73	5.49	5.28	5.11	NA	6.61
Oklahoma	4.51	3.77	4.78	3.96	3.48	3.88	3.32	3.48
Oregon	4.39	4.01	4.31	4.19	3.94	4.08	4.01	3.93
Pennsylvania	5.20	4.21	4.56	4.28	4.12	3.97	3.83	3.77
Rhode Island	2.61	3.96	4.96	4.60	4.62	4.19	2.61	3.33
South Carolina	4.03	3.32	3.52	4.08	3.68	3.74	3.45	3.10
South Dakota	3.37	3.36	3.77	3.69	3.76	3.85	3.51	3.53
Tennessee	R4.20	R3.32	2.78	R4.13	R3.81	R2.84	4.02	2.69
Texas	2.55	NA	R2.51	R2.94	R2.77	R2.83	R2.71	2.53
Utah	3.45	3.02	3.69	3.04	2.90	2.93	2.85	2.85
Vermont	4.21	3.08	3.73	3.56	3.39	3.23	3.02	2.83
Virginia	4.85	3.91	4.57	5.83	3.50	3.39	2.92	3.39
Washington	NA	NA						
West Virginia	R4.88	NA	NA	R3.91	3.25	3.58	3.42	3.05
Wisconsin	4.24	3.87	4.27	4.67	3.60	4.07	3.73	3.30
Wyoming	R3.34	R3.17	3.19	3.16	3.18	3.04	3.30	3.26
Total	R3.31	R3.01	R3.09	R3.40	R3.19	R3.08	R2.97	2.90

See footnotes at end of table.

Table 23

Table 23. Average Price of Natural Gas Sold to Industrial Consumers, by State, 1998-2000

(Dollars per Thousand Cubic Feet) — Continued

State	1999						1998	
	June	May	April	March	February	January	Total	December
Alabama	3.15	3.30	3.24	3.05	3.34	3.24	3.30	3.59
Alaska	1.24	1.21	1.18	1.17	1.18	1.20	1.34	1.22
Arizona	3.62	3.11	3.26	3.71	3.42	3.48	3.26	3.38
Arkansas	NA	3.57	3.35	3.42	3.48	3.40	3.48	3.78
California	3.34	^R 3.22	3.12	3.09	NA	4.02	3.77	3.70
Colorado	2.41	2.46	2.28	2.16	2.32	2.41	2.61	0.93
Connecticut	3.70	3.70	3.98	4.23	4.39	4.49	4.34	4.55
Delaware	4.11	3.48	4.27	4.00	3.93	4.33	4.13	3.68
District of Columbia	—	—	—	—	—	—	—	—
Florida	4.11	3.92	3.82	3.66	3.92	3.82	3.98	3.74
Georgia	3.46	3.11	2.78	2.76	2.64	2.55	3.92	2.18
Hawaii	8.31	8.52	8.02	8.10	8.07	8.41	—	8.64
Idaho	3.21	3.22	3.26	3.14	3.23	3.19	3.09	3.08
Illinois	4.03	3.85	3.17	3.50	3.71	3.81	3.96	3.82
Indiana	3.95	NA	NA	NA	3.01	NA	4.28	4.06
Iowa	6.02	3.52	3.27	3.33	3.52	3.32	3.49	3.57
Kansas	2.51	NA	2.97	2.98	3.25	NA	3.17	3.26
Kentucky	2.90	3.09	2.90	3.10	3.35	3.17	4.00	3.97
Louisiana	2.40	2.24	2.37	1.88	1.95	2.12	2.31	1.65
Maine	4.10	4.40	6.11	5.76	6.05	5.20	5.13	6.13
Maryland	6.00	6.39	3.80	4.15	6.65	6.20	5.26	5.22
Massachusetts	NA	4.50	NA	NA	6.88	4.62	5.69	6.45
Michigan	4.46	3.83	3.69	3.76	3.66	3.92	3.91	3.88
Minnesota	2.60	3.07	2.52	2.67	2.81	2.86	2.88	2.96
Mississippi	3.09	3.18	NA	2.65	3.12	NA	3.22	3.32
Missouri	3.91	4.00	3.97	4.00	NA	4.74	4.51	3.83
Montana	5.99	4.33	4.79	4.79	4.78	3.40	4.68	4.21
Nebraska	3.41	3.14	3.05	3.21	3.12	3.35	3.26	3.33
Nevada	4.76	4.62	4.51	4.45	4.50	4.50	4.74	4.59
New Hampshire	3.69	1.79	2.06	6.42	6.73	6.51	4.66	5.08
New Jersey	NA	NA	NA	NA	NA	NA	2.97	2.46
New Mexico	3.35	3.36	NA	3.60	3.58	NA	3.22	0.56
New York	NA	NA	NA	NA	NA	NA	4.02	3.05
North Carolina	3.22	3.07	3.09	3.79	3.60	3.63	3.96	4.13
North Dakota	2.59	2.77	2.37	2.47	2.53	2.66	2.82	3.07
Ohio	5.45	3.45	5.17	4.90	5.13	5.42	4.39	4.65
Oklahoma	3.45	4.73	3.28	3.50	3.50	3.45	3.66	3.43
Oregon	3.94	3.96	3.89	3.69	4.37	3.87	3.75	4.23
Pennsylvania	3.80	3.92	4.19	4.41	4.45	4.59	4.15	4.16
Rhode Island	3.29	3.74	3.52	4.32	4.77	5.00	3.82	3.85
South Carolina	3.22	3.07	2.79	2.93	3.15	3.00	3.29	3.31
South Dakota	3.54	3.26	3.02	3.03	3.12	3.13	3.28	3.11
Tennessee	3.31	3.19	3.44	3.33	3.54	3.57	3.94	3.26
Texas	2.41	NA	2.14	1.98	2.04	2.12	2.35	2.27
Utah	2.86	2.92	2.99	3.31	3.16	2.85	3.00	3.20
Vermont	2.82	2.80	2.74	2.72	2.75	3.00	2.80	2.61
Virginia	3.49	3.40	3.13	3.76	3.88	5.07	4.07	5.16
Washington	NA	NA	NA	NA	NA	NA	2.64	2.51
West Virginia	NA	2.68	NA	NA	2.82	2.40	3.39	3.35
Wisconsin	3.53	3.41	3.86	3.72	3.82	3.90	3.78	3.85
Wyoming	3.15	3.14	2.64	3.81	^R 3.27	2.95	3.37	3.38
Total	2.87	^R2.67	2.81	2.91	2.97	3.07	3.14	2.92

^R Revised Data.

NA Not Available.

— Not Applicable.

Notes: Data for 1998 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. Average prices for gas delivered to industrial consumers

reflect onsystem sales prices only. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy. See Table 25 for data on onsystem sales expressed as a percentage of both total commercial and total industrial deliveries.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

**Table 24. Average Price of Natural Gas Delivered to Electric Utility^a Consumers,
by State, 1998-2000**
(Dollars per Thousand Cubic Feet)

State	YTD 2000	YTD 1999	YTD 1998	2000				
				May	April	March	February	January
Alabama	4.28	2.42	2.63	4.75	3.45	1.41	2.94	4.94
Alaska	1.67	1.66	1.85	1.74	1.75	1.63	1.64	1.62
Arizona	3.27	2.36	2.88	3.77	3.40	3.01	2.94	2.64
Arkansas	3.21	2.22	2.38	3.79	3.20	2.99	2.86	2.84
California	3.46	2.62	2.85	4.19	3.54	3.38	3.23	2.83
Colorado	2.96	2.49	2.64	3.48	3.08	2.86	2.78	2.51
Connecticut	—	2.46	2.65	—	—	—	—	—
Delaware	4.71	2.71	2.46	4.20	5.87	5.86	5.87	3.61
District of Columbia	—	—	—	—	—	—	—	—
Florida	3.48	2.83	2.45	3.89	3.68	3.36	3.33	3.03
Georgia	3.99	2.24	3.47	3.93	3.89	3.41	11.20	1.20
Hawaii	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—
Illinois	3.38	2.14	2.37	3.64	3.57	3.11	3.14	2.78
Indiana	3.77	2.98	3.11	4.42	4.19	3.52	3.31	3.29
Iowa	3.43	3.10	3.20	3.81	3.43	3.26	3.19	3.00
Kansas	3.07	2.09	2.34	3.54	3.15	2.92	2.69	2.56
Kentucky	5.34	3.41	3.77	7.17	5.83	4.93	3.59	3.17
Louisiana	3.14	2.24	2.56	3.62	3.22	2.97	2.96	2.71
Maine	—	—	—	—	—	—	—	—
Maryland	3.84	2.89	3.18	4.16	3.69	3.35	3.72	3.84
Massachusetts	3.64	2.41	3.21	3.97	3.67	3.40	3.42	2.98
Michigan	2.56	1.44	0.95	2.85	3.16	3.19	2.06	1.78
Minnesota	3.23	2.56	2.74	3.54	3.27	3.13	3.56	2.62
Mississippi	3.12	2.20	2.46	3.76	3.17	2.84	2.94	2.66
Missouri	3.25	2.32	2.42	3.77	3.23	2.99	2.85	2.75
Montana	3.91	3.64	6.86	3.37	3.53	3.88	3.71	4.13
Nebraska	3.67	2.37	2.40	4.07	3.53	3.31	3.24	2.87
Nevada	3.07	2.34	2.32	3.56	3.03	2.90	2.69	2.99
New Hampshire	3.27	—	—	3.70	3.47	3.19	3.18	—
New Jersey	3.85	2.82	2.86	3.79	3.77	3.51	4.15	4.98
New Mexico	2.83	1.99	2.38	3.35	2.99	2.66	2.58	2.47
New York	3.80	2.59	2.86	3.97	3.55	3.47	4.20	3.96
North Carolina	3.76	3.18	2.99	3.70	3.82	4.28	4.35	4.21
North Dakota	—	—	—	—	—	—	—	—
Ohio	3.99	2.68	3.38	5.49	1.25	4.03	4.60	3.46
Oklahoma	3.39	2.50	2.93	3.73	3.30	3.20	3.44	3.08
Oregon	2.32	1.89	1.23	2.75	2.50	2.27	2.20	2.22
Pennsylvania	3.26	2.96	4.11	3.42	3.25	3.07	3.35	3.24
Rhode Island	—	—	3.37	—	—	—	—	—
South Carolina	5.15	3.10	3.46	5.03	4.39	4.07	7.47	8.54
South Dakota	—	—	—	—	—	—	—	—
Tennessee	—	—	—	—	—	—	—	—
Texas	3.02	2.18	2.44	3.50	3.06	2.83	2.73	2.59
Utah	3.12	2.35	—	3.45	3.13	2.96	2.83	2.86
Vermont	3.63	2.52	2.93	3.83	3.56	3.32	3.33	3.09
Virginia	3.68	3.01	3.34	4.09	4.00	3.21	4.01	3.23
Washington	—	—	2.79	—	—	—	—	—
West Virginia	3.83	2.98	4.40	3.75	4.19	4.10	3.07	4.36
Wisconsin	3.45	2.75	2.91	3.80	3.49	3.23	3.16	3.22
Wyoming	3.10	6.48	8.56	3.72	3.31	2.94	2.70	2.82
Total	3.16	2.33	2.54	3.61	3.22	2.99	2.95	2.74

See footnotes at end of table.

Table 24

Table 24. Average Price of Natural Gas Delivered to Electric Utility^a Consumers,

by State, 1998-2000

(Dollars per Thousand Cubic Feet) — Continued

State	1999							
	Total	December	November	October	September	August	July	June
Alabama	2.82	3.72	3.09	3.95	3.64	2.28	3.26	2.73
Alaska	1.59	1.57	1.55	1.48	1.40	1.50	1.62	1.59
Arizona	2.67	2.62	3.04	2.96	3.03	2.84	2.56	2.62
Arkansas	2.60	2.60	2.56	2.90	3.06	2.96	2.58	2.49
California	2.76	2.74	3.00	2.98	3.19	3.00	2.71	2.57
Colorado	2.69	2.66	2.84	3.13	2.94	2.52	2.53	3.18
Connecticut	2.72	3.20	3.06	3.02	2.88	2.65	2.59	2.52
Delaware	2.91	3.81	3.70	3.34	3.35	3.06	2.72	2.71
District of Columbia	—	—	—	—	—	—	—	—
Florida	3.10	2.95	3.56	3.22	3.54	3.33	2.98	3.04
Georgia	2.57	2.85	3.65	3.13	2.62	2.66	2.60	2.47
Hawaii	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—
Illinois	2.40	2.37	2.25	3.15	2.86	2.72	2.48	2.44
Indiana	2.98	3.26	4.05	4.56	4.04	2.86	2.82	2.79
Iowa	3.08	3.14	3.12	3.54	3.52	2.94	2.93	2.97
Kansas	2.37	2.57	2.87	2.81	2.73	2.60	2.31	2.35
Kentucky	3.20	2.93	4.25	3.45	3.33	3.26	2.88	3.15
Louisiana	2.58	2.49	3.09	2.87	3.07	2.91	2.55	2.52
Maine	—	—	—	—	—	—	—	—
Maryland	3.11	3.60	3.68	3.25	3.29	3.44	2.98	2.88
Massachusetts	2.71	3.39	2.88	3.10	2.99	2.99	2.73	2.75
Michigan	1.52	1.58	1.69	0.96	1.19	1.55	1.92	1.79
Minnesota	2.59	3.23	4.20	3.52	3.08	1.93	2.60	2.48
Mississippi	2.47	2.52	2.56	2.82	2.79	2.79	2.43	2.43
Missouri	2.64	2.78	3.00	3.06	2.81	2.91	2.54	2.48
Montana	4.02	1.39	1.44	2.48	5.15	6.14	4.20	4.40
Nebraska	2.74	3.05	4.18	2.89	3.05	3.24	2.59	2.63
Nevada	2.51	2.72	2.78	2.68	2.78	2.49	2.43	2.46
New Hampshire	2.87	—	—	—	3.02	3.02	2.43	2.44
New Jersey	3.08	3.69	3.08	3.35	3.24	3.37	2.97	2.88
New Mexico	2.31	2.39	2.40	2.58	2.69	2.68	2.30	2.31
New York	2.84	3.14	3.19	3.28	3.20	3.05	2.80	2.72
North Carolina	2.85	4.72	4.70	3.61	3.11	3.09	2.56	2.70
North Dakota	—	—	—	—	—	—	—	—
Ohio	3.04	4.20	3.11	3.11	2.91	2.98	3.34	2.99
Oklahoma	2.78	3.07	3.43	3.15	3.18	2.94	2.65	2.59
Oregon	1.96	2.20	2.26	2.00	1.83	1.66	1.78	1.99
Pennsylvania	3.02	3.08	3.15	3.09	2.95	3.12	3.40	2.36
Rhode Island	—	—	—	—	—	—	—	—
South Carolina	3.63	4.06	3.80	3.84	3.99	3.85	3.47	3.70
South Dakota	—	—	—	—	—	—	—	—
Tennessee	—	—	—	—	—	—	—	—
Texas	2.51	2.60	2.94	2.76	2.88	2.83	2.44	2.40
Utah	2.64	2.68	3.14	3.12	2.85	2.67	2.39	2.43
Vermont	3.23	2.92	3.78	2.17	3.25	3.31	—	2.94
Virginia	3.19	3.69	3.96	4.29	3.35	3.42	2.78	3.39
Washington	—	—	—	—	—	—	—	—
West Virginia	2.98	—	2.95	2.88	2.91	2.93	3.13	3.08
Wisconsin	2.93	2.97	3.44	3.29	3.45	2.99	2.90	2.80
Wyoming	3.88	1.98	2.39	3.95	5.75	4.59	3.14	2.60
Total	2.62	2.68	3.01	2.83	2.98	2.86	2.58	2.53

See footnotes at end of table.

Table 24. Average Price of Natural Gas Delivered to Electric Utility^a Consumers, by State, 1998-2000

(Dollars per Thousand Cubic Feet) — Continued

State	1999					1998		
	May	April	March	February	January	Total	December	November
Alabama	2.70	2.52	2.25	2.07	2.22	2.58	2.68	2.47
Alaska	1.61	1.60	1.72	1.70	1.68	1.80	1.72	1.74
Arizona	2.67	2.22	2.13	2.29	2.32	2.42	2.38	2.77
Arkansas	2.52	2.22	1.88	1.94	2.04	2.29	2.35	—
California	2.73	2.42	2.75	2.55	2.70	2.79	2.96	2.86
Colorado	2.60	2.25	2.18	2.24	3.26	2.98	3.33	3.15
Connecticut	2.50	2.54	2.12	2.02	2.11	2.44	1.90	2.45
Delaware	2.53	2.46	2.46	2.98	3.34	2.89	3.34	3.24
District of Columbia	—	—	—	—	—	—	—	—
Florida	3.14	2.66	2.58	2.86	2.86	2.27	1.39	2.30
Georgia	2.58	2.13	1.37	2.15	4.83	3.21	2.11	2.67
Hawaii	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—
Illinois	2.36	2.20	1.86	1.81	2.27	2.25	2.12	2.31
Indiana	3.19	3.14	2.71	2.78	2.99	2.88	3.36	2.86
Iowa	3.01	2.78	3.13	3.45	3.56	3.07	3.38	3.11
Kansas	2.35	2.08	1.80	1.96	2.24	2.14	2.21	2.25
Kentucky	5.12	3.77	3.33	2.99	2.51	3.40	2.90	3.11
Louisiana	2.58	2.25	2.01	2.09	2.13	2.37	2.16	2.32
Maine	—	—	—	—	—	—	—	—
Maryland	3.27	2.55	2.60	3.46	3.52	2.75	2.64	3.85
Massachusetts	2.58	2.26	2.10	2.13	2.43	2.78	2.26	2.44
Michigan	1.74	1.09	0.88	1.33	2.07	1.24	1.25	1.10
Minnesota	2.32	2.31	2.56	3.49	3.02	2.36	3.43	2.69
Mississippi	2.45	2.30	1.91	1.95	2.05	2.31	1.97	2.28
Missouri	2.41	2.31	2.16	2.29	2.34	2.26	2.31	2.32
Montana	10.99	5.69	7.37	5.20	2.04	2.06	1.48	1.37
Nebraska	2.72	2.46	1.37	2.79	2.28	2.40	2.92	2.81
Nevada	2.43	2.55	2.07	2.40	2.20	2.38	2.01	2.61
New Hampshire	—	—	—	—	—	—	—	—
New Jersey	2.85	2.94	2.46	2.76	2.95	2.74	2.44	3.11
New Mexico	2.22	2.05	1.79	1.89	2.03	2.22	2.14	2.34
New York	2.71	2.49	2.37	2.55	2.80	2.57	2.43	2.80
North Carolina	2.71	3.31	3.32	3.33	3.34	2.81	3.93	3.59
North Dakota	—	—	—	—	—	—	—	—
Ohio	2.42	2.06	2.99	3.32	3.88	3.24	3.88	4.36
Oklahoma	2.66	2.58	2.28	2.55	2.44	2.48	2.28	2.50
Oregon	1.91	1.79	1.67	1.83	2.01	1.56	1.92	1.88
Pennsylvania	3.18	2.55	3.02	2.98	2.94	3.26	4.88	6.91
Rhode Island	—	—	—	—	—	3.38	—	—
South Carolina	3.46	2.94	3.02	2.86	3.00	3.62	4.05	3.71
South Dakota	—	—	—	—	—	1.77	—	—
Tennessee	—	—	—	—	—	—	—	—
Texas	2.44	2.17	1.99	2.09	2.10	2.30	2.24	2.25
Utah	2.36	2.36	2.56	2.19	2.24	2.11	2.45	2.42
Vermont	3.03	2.56	2.44	2.47	2.55	2.90	2.87	2.84
Virginia	2.89	2.79	3.09	3.12	3.18	3.10	4.03	3.72
Washington	—	—	—	—	—	3.44	—	—
West Virginia	2.81	3.12	2.96	2.93	3.19	3.29	3.02	3.25
Wisconsin	2.92	2.63	2.51	2.79	2.64	2.67	2.73	2.63
Wyoming	6.59	13.06	6.02	4.83	6.92	8.31	11.18	14.27
Total	2.57	2.29	2.15	2.26	2.32	2.40	2.22	2.37

^a Includes all steam electric utility generating plants with a combined capacity of 50 megawatts or greater.

— Not Applicable.

Notes: Data for 1998 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District

of Columbia. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Sources: Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Table 25**Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1998-2000**

State	YTD 2000		YTD 1999		YTD 1998		2000	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	June	
							Commercial	Industrial
Alabama	78.3	15.7	74.5	15.8	83.1	24.8	71.6	14.2
Alaska	72.3	93.0	54.5	99.9	50.2	100.0	81.7	99.9
Arizona	82.7	38.5	84.0	33.7	86.3	32.8	82.5	38.6
Arkansas	NA	17.4	NA	NA	93.7	9.6	NA	20.8
California	57.8	6.1	59.2	10.9	61.4	10.9	57.3	5.1
Colorado	NA	NA	NA	6.8	95.2	12.7	NA	NA
Connecticut	78.5	44.2	66.6	59.1	72.4	56.3	80.7	45.4
Delaware	98.2	12.1	100.0	20.4	100.0	25.4	98.3	9.6
District of Columbia	40.1	—	49.5	—	56.1	—	28.0	—
Florida	65.0	2.9	91.4	3.7	97.0	7.2	61.7	4.3
Georgia	NA	NA	NA	13.1	88.4	30.6	NA	NA
Hawaii	100.0	100.0	100.0	100.0	100.0	—	100.0	100.0
Idaho	88.0	3.0	87.8	2.8	88.2	2.3	85.0	1.9
Illinois	42.2	8.6	44.4	9.2	51.3	9.8	25.9	4.9
Indiana	NA	7.3	NA	NA	83.1	11.0	NA	6.3
Iowa	79.5	6.9	85.0	7.3	87.2	6.4	66.2	7.1
Kansas	76.9	7.3	NA	NA	73.8	8.8	80.4	13.5
Kentucky	85.7	14.3	88.0	16.3	89.0	17.4	76.3	15.6
Louisiana	95.6	9.1	96.4	7.1	95.2	7.7	96.0	9.4
Maine	NA	NA	100.0	84.9	100.0	88.8	NA	NA
Maryland	34.6	11.9	NA	5.6	40.9	6.8	22.9	4.4
Massachusetts	NA	NA	NA	NA	56.9	15.3	NA	NA
Michigan	59.7	8.2	61.4	10.7	63.2	9.6	41.6	5.8
Minnesota	NA	37.5	96.0	36.8	97.9	41.5	96.3	24.9
Mississippi	NA	NA	NA	NA	94.2	38.2	92.1	46.3
Missouri	81.5	16.1	81.4	21.3	82.8	20.3	68.9	10.8
Montana	79.4	2.2	79.6	1.7	80.1	1.9	70.4	—
Nebraska	59.5	17.1	63.6	23.8	77.0	15.9	47.8	11.4
Nevada	58.1	6.3	66.1	9.5	74.6	1.9	46.0	14.0
New Hampshire	NA	NA	NA	24.1	94.8	36.9	NA	NA
New Jersey	NA	NA	NA	NA	62.4	45.5	NA	NA
New Mexico	55.9	16.1	57.1	NA	67.0	7.4	44.2	21.3
New York	NA	NA	NA	NA	55.7	5.7	53.7	17.4
North Carolina	95.6	47.9	94.7	42.6	92.6	34.3	100.0	66.8
North Dakota	NA	15.1	87.8	13.8	84.9	14.3	82.8	5.0
Ohio	42.2	2.9	47.1	2.8	58.2	5.3	26.2	1.4
Oklahoma	79.1	7.3	76.6	4.0	77.1	4.7	76.2	4.8
Oregon	99.2	13.4	98.8	15.5	99.1	15.9	99.1	16.4
Pennsylvania	NA	NA	57.9	11.9	57.9	13.8	62.4	9.4
Rhode Island	57.7	10.0	57.9	6.7	62.9	7.8	46.7	100.0
South Carolina	98.7	84.1	96.9	84.0	98.4	86.1	100.0	85.4
South Dakota	81.3	38.7	82.6	45.1	84.6	37.6	73.5	18.8
Tennessee	NA	NA	86.3	25.1	90.7	35.5	NA	NA
Texas	80.3	21.6	77.5	NA	83.1	14.5	80.6	19.9
Utah	84.6	9.5	83.5	10.2	83.4	8.2	77.9	95.1
Vermont	100.0	84.3	100.0	77.6	100.0	100.0	100.0	92.4
Virginia	67.5	NA	66.4	12.2	74.3	14.0	61.4	10.9
Washington	NA	NA	NA	NA	87.3	19.9	NA	NA
West Virginia	54.5	2.7	50.7	NA	53.4	6.2	34.4	2.2
Wisconsin	81.1	18.7	76.0	21.6	78.0	23.7	68.3	15.5
Wyoming	90.5	NA	91.6	NA	89.9	1.9	96.3	NA
Total	66.7	16.7	67.9	16.2	70.6	16.2	63.0	15.5

See footnotes at end of table.

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1998-2000 — Continued

State	2000							
	May		April		March		February	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	75.4	13.9	73.7	16.5	76.3	14.9	83.6	18.1
Alaska	68.1	99.8	73.7	99.9	74.8	99.8	71.1	99.8
Arizona	80.6	32.8	81.5	38.3	82.7	38.7	83.1	40.8
Arkansas	NA	18.7	NA	18.1	NA	15.4	NA	14.8
California	55.3	5.5	56.5	6.2	58.7	6.1	59.8	7.0
Colorado	NA	NA	NA	NA	NA	NA	NA	0.4
Connecticut	79.4	53.2	77.1	30.6	79.4	45.9	80.8	52.9
Delaware	98.6	7.3	98.6	11.0	97.2	17.2	98.2	11.8
District of Columbia	30.0	—	34.2	—	37.4	—	49.3	—
Florida	63.5	3.7	64.4	4.1	65.8	3.2	67.6	2.5
Georgia	19.2	36.6	15.0	30.5	15.8	29.4	13.5	31.8
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	82.8	2.3	88.1	2.8	87.7	3.6	89.1	3.7
Illinois	32.5	4.6	40.4	7.4	44.1	8.0	45.5	9.9
Indiana	72.0	5.7	79.6	8.0	R80.0	8.4	R81.7	6.7
Iowa	51.6	4.7	77.1	5.5	83.8	8.7	84.2	8.0
Kansas	82.3	8.4	80.2	6.0	74.9	7.6	77.1	5.0
Kentucky	77.3	14.3	84.2	14.2	84.5	14.2	88.5	12.2
Louisiana	96.1	R8.2	96.8	R8.2	95.2	8.2	96.6	7.9
Maine	NA	NA	100.0	55.1	NA	57.1	100.0	55.1
Maryland	27.2	5.7	27.5	1.4	35.1	6.1	41.2	7.1
Massachusetts	NA	NA	NA	NA	NA	NA	NA	NA
Michigan	50.8	7.2	56.0	9.3	61.0	10.1	64.5	13.8
Minnesota	98.3	59.6	96.1	39.6	95.9	38.9	95.1	34.2
Mississippi	93.7	45.9	NA	NA	96.0	42.7	96.7	46.6
Missouri	74.8	12.1	78.9	15.3	81.7	16.4	85.5	17.1
Montana	74.5	0.1	77.0	0.1	81.9	0.2	82.9	0.2
Nebraska	53.1	17.2	55.7	R15.1	58.9	R17.0	66.0	19.9
Nevada	48.0	16.2	53.6	19.2	60.6	26.5	62.5	26.9
New Hampshire	NA	NA	85.7	38.2	NA	NA	94.9	32.7
New Jersey	NA	NA	NA	NA	NA	NA	NA	NA
New Mexico	53.5	17.4	29.9	12.7	61.4	14.0	62.7	13.9
New York	NA	16.4	NA	NA	NA	NA	NA	33.6
North Carolina	100.0	62.2	99.8	59.6	91.6	27.9	93.1	40.2
North Dakota	82.4	12.8	72.0	13.3	89.4	18.3	89.2	25.7
Ohio	38.6	1.6	41.7	2.2	39.7	2.6	45.2	3.5
Oklahoma	65.7	7.3	74.2	7.7	77.4	8.3	83.4	9.1
Oregon	99.1	R9.2	99.1	16.7	99.2	19.4	99.4	19.9
Pennsylvania	NA	NA	R57.1	10.0	R59.9	9.1	R59.8	9.5
Rhode Island	61.2	100.0	49.5	100.0	60.7	100.0	62.7	100.0
South Carolina	100.0	87.2	100.0	87.2	95.6	80.1	99.8	82.6
South Dakota	79.1	31.6	95.7	44.1	68.6	45.5	84.6	44.8
Tennessee	89.4	28.3	90.7	R25.8	92.8	R24.5	91.9	31.9
Texas	81.9	16.5	80.1	17.3	81.1	20.0	86.1	19.2
Utah	77.0	94.4	79.4	92.0	84.2	94.9	88.6	94.5
Vermont	100.0	82.0	100.0	81.5	100.0	80.8	100.0	83.0
Virginia	60.6	15.6	64.8	NA	65.1	18.8	69.1	17.1
Washington	NA	NA	NA	NA	NA	NA	NA	NA
West Virginia	46.1	2.1	49.3	2.7	48.1	2.8	71.0	2.7
Wisconsin	73.6	11.8	79.1	18.9	81.4	19.3	83.5	20.6
Wyoming	90.5	NA	93.3	1.5	87.5	2.2	92.8	1.7
Total	63.5	14.7	R65.6	15.5	R65.6	R17.1	70.0	18.2

See footnotes at end of table.

Table 25**Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1998-2000 — Continued**

State	2000		1999					
	January		Total		December		November	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	79.5	17.0	64.4	15.1	62.9	15.1	51.5	14.3
Alaska	69.6	99.8	56.6	99.1	62.2	97.5	61.9	97.6
Arizona	84.5	42.0	82.7	36.6	81.8	43.9	81.8	46.3
Arkansas	NA	17.1	NA	NA	100.0	16.7	NA	10.3
California	58.0	6.4	55.5	R8.5	56.5	9.0	52.8	7.6
Colorado	NA	NA	NA	NA	96.5	0.3	96.3	0.4
Connecticut	73.9	43.3	62.7	55.8	62.2	52.2	58.3	53.2
Delaware	98.2	14.5	100.0	16.4	100.0	12.4	100.0	13.4
District of Columbia	48.9	—	NA	—	—	—	43.8	—
Florida	65.8	3.8	91.2	3.1	90.8	3.2	87.2	2.8
Georgia	8.8	26.3	NA	14.4	7.8	23.5	9.1	16.4
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	89.5	3.3	86.0	2.7	85.6	2.5	82.5	2.5
Illinois	44.8	10.7	41.6	8.2	42.0	9.0	38.3	8.4
Indiana	NA	9.3	NA	NA	NA	7.5	NA	6.3
Iowa	85.6	8.4	83.1	7.4	83.4	8.8	82.9	7.2
Kansas	72.6	4.3	NA	NA	58.5	4.6	52.7	7.7
Kentucky	87.8	15.5	R86.9	16.6	89.2	18.1	84.7	15.6
Louisiana	93.8	8.2	96.0	7.6	93.7	7.6	96.2	9.3
Maine	100.0	56.3	100.0	R81.2	100.0	80.4	100.0	87.1
Maryland	R38.9	26.1	NA	5.1	35.6	5.8	28.6	8.2
Massachusetts	NA	NA	NA	NA	NA	NA	NA	NA
Michigan	63.7	12.5	58.2	8.2	62.7	10.1	56.3	8.7
Minnesota	NA	39.7	95.5	NA	95.2	NA	91.9	40.3
Mississippi	98.8	29.3	NA	NA	95.6	32.1	95.0	34.1
Missouri	83.3	23.1	77.1	18.1	79.1	22.2	70.9	16.1
Montana	79.7	0.2	R79.8	1.7	85.5	2.7	82.0	2.6
Nebraska	61.9	19.3	R65.9	19.4	69.3	27.1	69.0	23.7
Nevada	67.3	31.4	62.0	8.4	66.1	30.1	56.3	24.5
New Hampshire	93.9	28.0	NA	26.1	92.4	30.6	93.4	31.4
New Jersey	50.5	82.2	NA	NA	NA	NA	NA	NA
New Mexico	63.8	9.0	57.6	NA	65.5	20.3	65.4	19.0
New York	NA	46.0	NA	NA	NA	27.3	NA	26.7
North Carolina	97.2	30.8	93.4	44.3	89.8	24.9	98.7	55.4
North Dakota	NA	22.8	NA	NA	NA	NA	NA	12.7
Ohio	45.5	3.4	NA	NA	46.3	2.7	36.9	1.7
Oklahoma	84.3	9.4	73.3	3.7	79.0	6.2	71.7	3.4
Oregon	99.4	18.3	98.8	13.7	99.1	11.7	99.0	12.0
Pennsylvania	60.1	10.5	56.1	11.2	59.7	11.8	52.6	11.3
Rhode Island	57.1	100.0	53.1	6.5	70.0	27.3	34.9	27.4
South Carolina	98.0	80.3	96.7	84.5	95.3	82.4	100.0	88.4
South Dakota	85.2	48.2	81.2	36.9	83.4	40.8	80.4	37.5
Tennessee	95.3	R26.0	85.4	R27.0	91.5	40.0	89.7	R23.3
Texas	74.2	25.3	75.7	NA	77.6	R39.7	69.4	R25.4
Utah	87.1	93.2	82.9	9.8	86.9	6.9	82.8	11.4
Vermont	100.0	87.4	100.0	75.9	100.0	80.3	100.0	77.1
Virginia	74.2	20.7	65.8	11.0	71.8	13.2	65.7	12.3
Washington	NA	NA	NA	NA	NA	NA	NA	NA
West Virginia	57.3	R3.5	NA	NA	NA	NA	47.0	R7.1
Wisconsin	84.0	22.6	R75.4	20.6	80.5	23.0	73.9	20.1
Wyoming	87.7	R1.0	88.2	NA	85.9	2.3	81.2	2.2
Total	R67.9	R19.0	65.1	R18.0	65.6	R22.9	62.6	R19.1

See footnotes at end of table.

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1998-2000 — Continued

State	1999							
	October		September		August		July	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	45.0	14.1	48.8	14.4	47.0	14.2	50.9	14.7
Alaska	54.8	97.4	56.7	100.0	55.9	99.9	56.3	98.4
Arizona	79.0	39.0	78.6	40.8	78.7	34.1	83.0	35.6
Arkansas	NA	13.1	NA	9.9	86.7	8.2	83.6	7.9
California	53.9	8.0	49.9	10.6	37.8	7.5	52.6	8.8
Colorado	NA	0.5	92.8	1.8	NA	2.9	92.1	NA
Connecticut	56.5	54.5	51.9	59.3	51.6	54.7	55.4	54.7
Delaware	100.0	9.1	100.0	10.1	100.0	15.3	100.0	15.1
District of Columbia	36.8	—	32.4	—	31.7	—	NA	—
Florida	91.5	2.8	92.7	2.4	92.4	2.8	92.4	2.7
Georgia	12.1	16.8	33.0	11.1	67.8	21.2	66.6	15.5
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	79.0	2.1	80.4	2.1	82.0	3.4	83.7	2.8
Illinois	38.6	6.3	34.5	7.2	24.5	5.1	26.3	5.3
Indiana	63.4	7.4	63.4	7.6	62.5	4.9	52.3	8.1
Iowa	79.4	7.3	71.6	7.2	75.0	7.1	72.2	7.1
Kansas	57.6	7.7	64.4	14.5	53.7	14.9	52.3	12.4
Kentucky	83.0	18.1	82.6	15.7	79.5	16.9	79.7	16.1
Louisiana	95.4	8.0	95.8	8.4	96.4	7.9	96.1	7.3
Maine	100.0	77.5	100.0	76.4	100.0	74.5	100.0	72.0
Maryland	25.5	4.3	23.6	4.2	24.3	4.0	23.9	3.9
Massachusetts	NA	NA	NA	NA	NA	NA	NA	NA
Michigan	48.7	5.9	40.1	4.9	32.0	4.4	37.5	4.5
Minnesota	98.1	44.5	96.3	37.4	89.4	34.3	96.7	36.7
Mississippi	93.5	33.2	94.0	34.5	93.8	33.0	94.1	33.4
Missouri	69.3	12.9	64.7	12.7	65.5	11.7	47.4	11.0
Montana	80.3	1.5	75.3	0.8	68.5	0.5	70.1	1.0
Nebraska	78.4	17.2	60.2	13.7	86.4	12.5	68.6	9.0
Nevada	54.6	24.5	50.2	16.8	50.7	17.1	51.1	18.1
New Hampshire	90.6	28.5	89.6	27.5	88.2	26.3	86.6	26.3
New Jersey	NA	NA	NA	NA	NA	NA	NA	NA
New Mexico	60.2	NA	49.4	NA	40.9	NA	48.7	5.7
New York	NA	27.8	NA	29.0	NA	NA	NA	NA
North Carolina	84.1	31.0	99.2	63.7	87.0	48.9	87.4	56.1
North Dakota	88.9	26.5	82.6	12.0	77.9	11.6	79.6	10.9
Ohio	36.5	1.5	31.6	1.0	NA	NA	30.8	0.6
Oklahoma	63.8	2.9	53.9	3.4	60.6	2.5	57.6	2.3
Oregon	98.2	12.0	98.3	12.2	98.5	11.8	98.8	12.2
Pennsylvania	46.9	9.9	49.2	9.3	45.2	9.4	53.6	10.7
Rhode Island	43.6	26.8	39.9	24.7	16.4	36.2	44.1	28.7
South Carolina	93.4	82.3	99.9	88.1	94.6	81.7	94.7	87.0
South Dakota	75.6	25.5	71.5	26.2	69.8	20.3	73.9	20.7
Tennessee	78.7	26.6	80.7	32.7	76.1	21.3	74.1	28.3
Texas	72.3	28.6	72.8	25.6	74.4	37.2	72.5	22.2
Utah	79.9	11.0	75.4	9.8	74.4	9.2	76.0	8.7
Vermont	100.0	75.2	100.0	69.8	100.0	66.5	100.0	68.6
Virginia	61.2	11.8	59.3	10.1	57.7	5.4	62.5	9.4
Washington	NA	NA	NA	NA	NA	NA	NA	NA
West Virginia	39.6	13.0	32.5	12.8	26.4	12.4	33.9	12.2
Wisconsin	71.6	20.7	68.4	16.2	69.1	15.8	65.7	18.8
Wyoming	82.2	3.2	83.9	2.3	65.7	2.7	82.0	3.3
Total	59.8	R18.8	57.4	R19.3	R54.8	R20.2	57.9	R17.1

See footnotes at end of table.

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1998-2000 — Continued

State	1999							
	June		May		April		March	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	53.4	15.3	67.4	15.0	76.0	15.2	76.3	15.9
Alaska	57.4	100.0	58.9	99.9	53.5	99.9	57.5	99.9
Arizona	82.1	37.2	82.5	42.3	82.5	30.5	84.6	26.3
Arkansas	NA	NA	NA	8.6	89.6	8.7	90.1	9.6
California	60.7	10.1	49.8	R11.6	61.3	12.7	59.5	13.4
Colorado	95.8	0.6	96.7	0.6	NA	0.8	96.7	0.4
Connecticut	56.8	62.3	53.6	55.2	72.9	64.0	67.4	58.6
Delaware	100.0	16.4	100.0	22.4	100.0	17.6	100.0	22.7
District of Columbia	33.9	—	39.4	—	43.5	—	53.8	—
Florida	94.0	3.2	91.6	4.2	92.0	3.4	90.2	4.2
Georgia	67.8	10.9	NA	13.9	82.0	17.1	83.0	13.5
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	83.3	2.8	85.5	2.3	87.0	2.6	87.8	2.8
Illinois	33.7	6.7	34.9	6.6	40.9	10.3	47.7	9.1
Indiana	70.4	8.0	73.2	NA	74.8	NA	NA	NA
Iowa	76.4	5.9	93.5	5.9	77.2	6.2	87.3	7.5
Kansas	55.9	6.6	68.4	NA	69.1	4.9	NA	5.0
Kentucky	80.4	12.9	84.4	16.5	83.9	16.3	88.8	16.6
Louisiana	97.1	6.7	96.6	6.6	97.2	6.5	96.2	7.5
Maine	100.0	87.9	100.0	74.6	100.0	75.1	100.0	80.7
Maryland	23.3	4.9	NA	3.4	25.1	1.6	NA	10.7
Massachusetts	44.2	NA	54.1	41.5	46.8	NA	67.0	NA
Michigan	39.5	4.9	47.1	7.2	58.0	14.2	63.3	16.2
Minnesota	92.1	43.8	96.6	29.3	91.7	37.1	96.5	39.3
Mississippi	94.4	35.2	95.8	38.1	NA	NA	88.4	34.9
Missouri	71.0	13.6	75.8	14.0	81.4	17.2	83.3	24.6
Montana	67.9	0.4	R75.6	1.7	77.3	1.7	78.1	1.8
Nebraska	63.2	18.1	R66.9	22.4	65.0	24.9	67.6	23.8
Nevada	55.6	18.7	60.2	18.7	63.2	25.4	67.7	28.0
New Hampshire	89.4	23.2	NA	26.2	94.2	27.2	94.5	19.6
New Jersey	NA	NA	NA	NA	NA	NA	NA	NA
New Mexico	54.3	5.9	41.6	4.9	58.5	NA	58.1	4.2
New York	NA	NA	NA	NA	NA	NA	NA	NA
North Carolina	88.0	49.9	89.9	50.0	90.7	42.0	97.0	37.6
North Dakota	77.0	16.4	85.3	6.0	86.8	14.5	89.7	13.7
Ohio	30.1	1.1	34.5	1.8	38.7	2.0	48.5	3.6
Oklahoma	24.2	2.3	68.1	3.0	75.7	3.5	79.2	4.3
Oregon	98.5	14.1	98.7	14.1	98.7	15.1	98.7	16.5
Pennsylvania	50.3	11.0	59.1	11.8	56.1	11.1	61.4	12.5
Rhode Island	46.8	32.0	48.9	31.4	56.2	38.8	60.4	50.1
South Carolina	94.9	81.2	95.4	86.1	96.3	85.5	97.4	83.3
South Dakota	60.2	33.2	78.7	38.8	83.2	41.8	84.3	47.4
Tennessee	76.7	27.0	77.6	26.4	85.8	21.8	83.9	27.4
Texas	72.4	21.4	74.4	NA	75.7	20.5	78.2	16.3
Utah	72.9	14.8	80.1	8.7	83.0	8.0	82.8	8.3
Vermont	100.0	68.7	100.0	68.8	100.0	76.3	100.0	82.2
Virginia	56.6	6.8	60.4	9.4	55.7	9.3	65.8	17.5
Washington	NA	NA	NA	NA	NA	NA	NA	NA
West Virginia	31.6	NA	35.8	11.8	51.4	NA	54.2	NA
Wisconsin	R62.9	19.9	62.8	18.3	70.9	21.3	76.6	21.9
Wyoming	83.8	3.6	87.5	3.6	88.6	2.5	88.1	2.6
Total	R60.0	16.8	R61.1	R16.9	64.6	15.9	68.7	16.0

See footnotes at end of table.

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1998-2000 — Continued

State	1999				1998			
	February		January		Total		December	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	77.4	16.1	81.0	18.4	80.5	23.3	75.4	20.5
Alaska	53.8	99.9	59.8	99.9	49.6	99.4	48.8	100.0
Arizona	84.6	34.0	86.3	32.3	85.0	33.5	84.0	33.6
Arkansas	91.4	10.6	93.3	11.7	90.8	9.5	89.0	9.0
California	59.1	14.4	62.3	11.8	48.9	10.4	49.2	11.1
Colorado	93.2	0.3	97.1	0.1	94.3	7.6	95.2	3.3
Connecticut	69.7	67.0	69.6	60.4	68.7	55.8	62.6	61.5
Delaware	100.0	24.0	100.0	18.1	100.0	22.4	100.0	24.8
District of Columbia	52.4	—	58.2	—	52.3	—	59.7	—
Florida	90.9	4.0	91.5	3.6	96.6	7.3	96.0	6.4
Georgia	81.6	11.3	85.4	10.1	83.6	25.3	79.2	22.2
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	88.8	3.1	89.4	3.6	86.4	2.6	86.1	3.6
Illinois	46.1	10.0	46.9	10.9	47.4	9.3	45.2	12.3
Indiana	79.3	9.2	79.9	NA	79.2	9.3	82.6	8.6
Iowa	84.7	8.0	86.7	9.2	85.8	6.8	89.4	10.0
Kansas	NA	5.4	NA	NA	69.5	9.9	61.0	5.7
Kentucky	89.2	18.0	90.3	16.9	87.5	17.8	88.6	23.6
Louisiana	95.9	7.8	96.2	7.5	94.6	9.3	92.2	20.6
Maine	100.0	97.3	100.0	93.8	100.0	87.4	100.0	84.4
Maryland	NA	6.5	39.3	7.7	36.7	7.0	37.7	10.3
Massachusetts	NA	32.3	78.5	28.3	57.9	26.3	82.1	25.7
Michigan	64.5	17.3	67.3	16.2	59.7	10.8	64.7	12.0
Minnesota	96.5	33.8	96.6	37.9	97.6	39.7	96.8	39.9
Mississippi	96.9	38.2	NA	NA	94.8	37.6	96.3	38.6
Missouri	79.1	33.9	85.5	26.3	78.3	18.2	79.2	21.9
Montana	80.1	1.7	83.5	2.4	77.1	1.5	77.0	1.5
Nebraska	63.5	28.7	59.8	23.5	72.5	12.7	51.5	20.6
Nevada	69.2	30.9	72.6	31.4	70.3	15.5	69.9	33.2
New Hampshire	95.3	24.1	95.5	24.2	94.1	30.7	95.3	24.4
New Jersey	NA	NA	NA	NA	60.5	49.5	59.7	59.4
New Mexico	52.8	3.6	66.7	NA	67.0	9.8	79.0	4.6
New York	NA	NA	NA	NA	53.2	8.3	56.7	12.0
North Carolina	96.6	36.4	97.0	41.1	90.6	32.1	90.2	32.7
North Dakota	83.6	13.6	92.4	18.4	83.8	14.6	87.2	18.5
Ohio	47.1	3.6	57.0	4.1	55.1	4.3	50.3	5.2
Oklahoma	78.9	5.1	83.2	5.7	73.2	3.6	71.3	4.9
Oregon	99.0	15.8	99.1	16.9	99.0	14.3	99.1	14.4
Pennsylvania	56.4	11.1	66.5	14.6	56.9	13.1	59.0	13.2
Rhode Island	61.5	30.8	59.4	24.4	59.3	7.4	52.5	7.6
South Carolina	97.8	83.0	97.6	84.8	97.9	86.7	97.1	86.5
South Dakota	84.1	50.0	86.6	51.8	84.2	35.6	84.6	46.5
Tennessee	84.8	23.3	92.6	25.4	87.3	33.1	89.5	33.6
Texas	81.3	13.0	71.0	^14.6	81.0	14.1	83.4	12.7
Utah	85.7	10.8	85.8	12.2	82.5	8.6	85.2	9.7
Vermont	100.0	81.5	100.0	81.4	100.0	100.0	100.0	100.0
Virginia	68.2	15.4	76.4	18.0	72.1	12.8	75.8	15.9
Washington	NA	NA	NA	NA	86.8	20.1	88.3	25.4
West Virginia	54.8	10.1	49.9	5.4	49.5	6.3	55.3	7.4
Wisconsin	78.8	22.7	80.6	25.4	74.0	22.0	79.2	23.8
Wyoming	97.4	NA	96.5	3.3	90.5	2.0	97.9	2.1
Total	69.1	15.5	72.8	^15.9	67.0	16.1	68.3	17.2

^R Revised Data.

NA Not Available.

— Not Applicable.

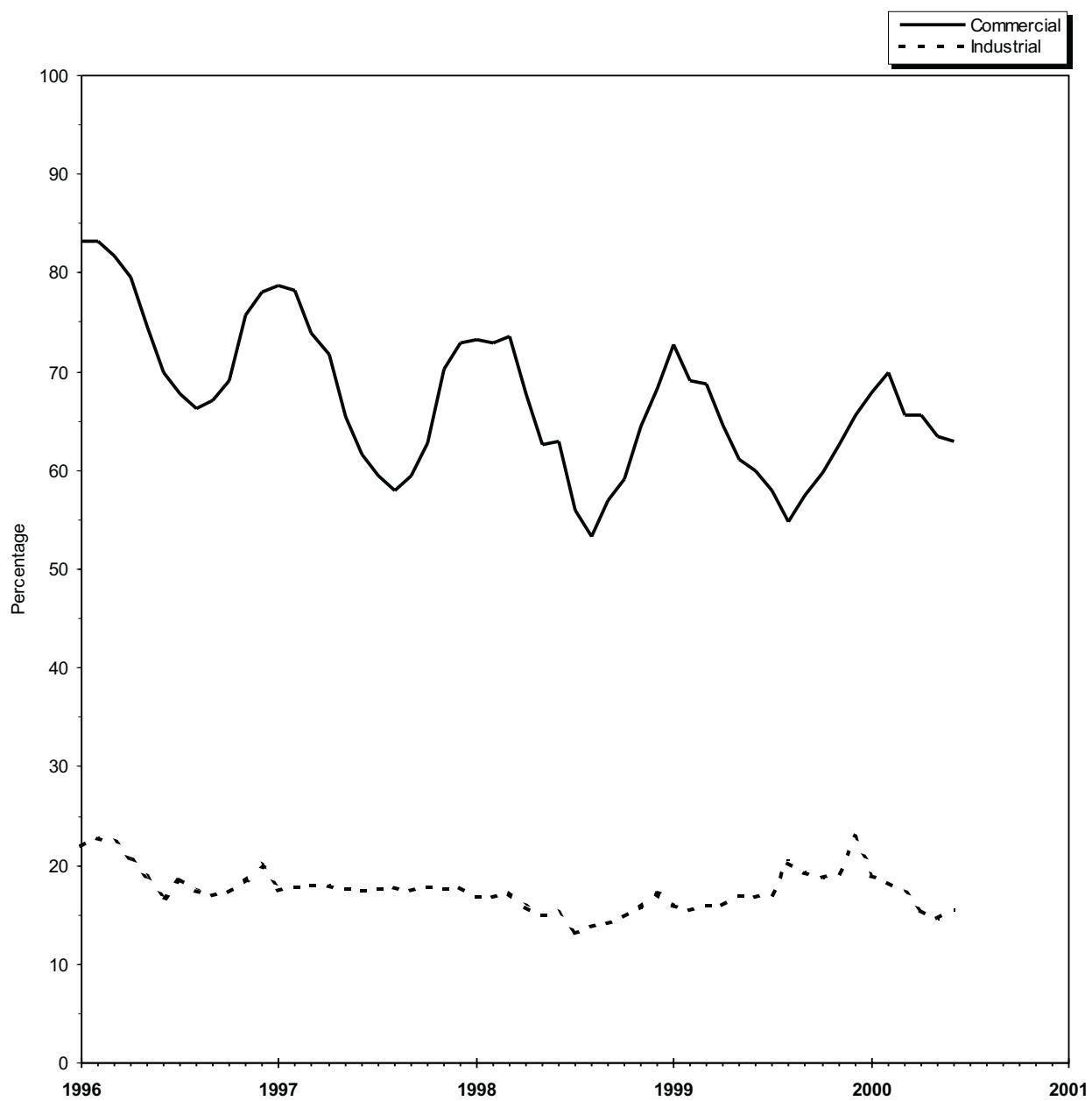
Notes: Volumes of natural gas reported for the commercial and industrial sectors in this publication include data for both sales and deliveries for the account of others. This table shows the percent of the total State volume that represents natural gas sales to the commercial and

industrial sectors. This information may be helpful in evaluating commercial and industrial price data which are based on sales data only. See Appendix C, Statistical Considerations, for a discussion of the computation of natural gas prices.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Figure 6

Figure 6. Percentage of Total Deliveries Represented by Onsystem Sales, 1996-2000



Sources: Energy Information Administration, Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Appendix A

Explanatory Notes

The Energy Information Administration (EIA) publishes monthly data for the supply and disposition of natural gas in the United States in the *Natural Gas Monthly* (NGM). The information in this Appendix is provided to assist users in evaluating the monthly data. There is a brief description of what data are estimated and what data are taken from submitted reports, followed by ten technical notes that provide important information for individual data series.

The monthly data are preliminary when initially published. Data shown in this report for the most current months are taken from the EIA Short-Term Integrated Forecasting System (STIFS) model computations. Each month, EIA staff review the STIFS model estimates and adjust them, if necessary, based on their knowledge of new developments in the natural gas industry. Data for prior months are estimated or taken from submitted reports.

Table A1. Methodology for Reporting Initial Monthly Natural Gas Supply and Disposition Data

Components	Reporting Methodology
Supply and Disposition	
Marketed Production	Reported on Form EIA-895 and Estimated from Historical Data
Extraction Loss	Derived from Marketed Production
Dry Production	Marketed Production minus Extraction Loss
Withdrawals from Storage	Reported on Form EIA-191
Supplemental Gaseous Fuels	Derived from Supply Estimates and Coal Gasification Information
Imports	Estimated from National Energy Board of Canada Information and Liquefied Natural Gas Information
Additions to Storage	Reported on Form EIA-191
Exports	Estimated from Industry Trends and Liquefied Natural Gas Information
Current-Month Consumption	Estimated from Historical Month-to-Month Percent Changes
Consumption by Sector	
Lease and Plant Fuel	Derived from Marketed Production
Pipeline Fuel	Derived from Estimates for Lease and Plant Fuel and Deliveries to Consumers
Residential	Estimated from Reports to the Sample Survey Form EIA-857
Commercial	Estimated from Reports to the Sample Survey Form EIA-857
Industrial	Estimated from Reports to the Sample Survey Form EIA-857
Electric Utilities	Reported on Form EIA-759

For data that are not taken from STIFS computations, Table A1 below lists the methodologies for deriving the monthly data to be published.

The STIFS model contains a series of calculations that produce forecasts for all of the energy industry. It is driven primarily by three sets of inputs or assumptions: estimates of key macroeconomic variables, world oil price assumptions, and assumptions about the severity of weather. The natural gas estimates also reflect other key inputs or assumptions including gas wellhead prices, electric power generation by other energy sources, and U.S. gas import capacity. The macroeconomic variable estimates are produced by DRI/McGraw-Hill but are adjusted by EIA to reflect EIA assumptions about the world price of oil, energy product prices, and other assumptions which may affect the macroeconomic outlook. The EIA publishes forecasts for the energy industry each quarter in the *Short-Term Energy Outlook*.

For production, total supply and disposition, and storage data (Tables 1, 2, and 9), the most current two months shown are estimates produced from STIFS computations, and data that are two months or more prior to the date of publication are estimated or taken from submitted reports. For example, in the March issue of the NGM, February and March data are taken from the STIFS model computations while January and prior months data are estimated from available data sources or reported directly on EIA forms. For consumption data by sector (Table 3), the most current three months shown are estimates produced from STIFS computations while data that are three months prior to date of publication are taken from EIA forms.

Note 1. Nonhydrocarbon Gases Removed

Annual Data

Data on nonhydrocarbon gases removed from marketed productioncarbon dioxide, helium, hydrogen sulfide, and nitrogenare reported by State agencies on the voluntary Form EIA-895. For 1995, of the 33 producing States, 22 reported data on nonhydrocarbon gases removed. The 22 States accounted for 60 percent of total 1995 gross withdrawals. Of the 22 States reporting nonhydrocarbon gases removed, 11 reported zero values: Alaska, Arizona, Arkansas, Colorado, Illinois, Maryland, Missouri, Nevada, New York, South Dakota, and Virginia. The ten States reporting volumes greater than zero are

Alabama, California, Florida, Kentucky, Mississippi, Nebraska, New Mexico, North Dakota, Texas, and Wyoming. In addition, Kansas, Louisiana, Montana, and Oklahoma, which together accounted for 40 percent of gross withdrawals, did not report nonhydrocarbon gases removed separately. However, their gross withdrawal data excluded all or most of the nonhydrocarbon gases removed on leases. No estimates are made for States not reporting nonhydrocarbon gases removed.

Preliminary Monthly Data

All monthly data are considered preliminary until after publication of the *Natural Gas Annual* for the year in which the report month falls. Seven States report monthly data on nonhydrocarbon gases removed: Alabama, Arizona, Mississippi, New Mexico, North Dakota, Oregon and Texas. Monthly data for California, Colorado, Florida, and Wyoming are estimated based on annual data reported on Form EIA-895. Nonhydrocarbon gases as an annual percentage of gross withdrawals reported by each of the six States is applied to each State's monthly gross withdrawal data to produce an estimate of nonhydrocarbon gases removed.

Final Monthly Data

Beginning with report year 1990, States filing the Form EIA-627, "Annual Quantity and Value of Natural Gas Report," were asked to supply monthly breakdowns of all data previously reported on an annual basis. The sums of the reported figures were used to calculate monthly volumes. In 1997 the Form EIA-627 was discontinued. States were requested to file an annual schedule on the monthly Form EIA-895, "Monthly Quantity and Value of Natural Gas Report."

For States not supplying monthly data on the annual schedule of the EIA-895, final monthly data are calculated by proportionally allocating the differences between total annual data reported on the Form EIA-895 and the sum of monthly data (January-December).

Note 2. Supplemental Gaseous Fuels

Annual Data

Annual data are published from Form EIA-176.

Preliminary Monthly Data

All monthly data are considered preliminary until after the publication of the *Natural Gas Annual* for the year in which the report month falls. Monthly estimates are based on the annual ratio of supplemental gaseous fuels to the sum of dry gas production, net imports, and net withdrawals from storage. This ratio is applied to the monthly sum of these three elements to compute a monthly supplemental gaseous fuels figure.

Final Monthly Data

Monthly data are revised after publication of the *Natural Gas Annual*. Final monthly data are estimated based on the revised annual ratio of supplemental gaseous fuels to the sum of dry gas production, net imports, and net withdrawals from storage. This ratio is applied to the revised monthly sum of these three elements to compute final monthly data.

Note 3. Production

Annual Data

Natural gas production data are collected from 33 gas-producing States on Form EIA-895 which includes gross withdrawals, vented and flared, repressuring, nonhydrocarbon gases removed, fuel used on leases, marketed production (wet), and extraction loss. The U.S. Minerals Management Service (MMS) also supplies data on the quantity and value of natural gas production on the Gulf of Mexico and Outer Continental Shelf. No adjustments are made to the data.

Estimated Monthly Data

State marketed production data for a particular month are estimated if data are unavailable at the time of publication. The data are estimated based on final monthly data reported on the Form EIA-895 for the previous year.

Estimates for total U.S. marketed production are based on final monthly data reported on the Form EIA-895 for the previous year. State estimates for nonhydrocarbon gas removed, gas used for repressuring, and gas vented and flared are based on the ratio of the item to gross withdrawals as reported on the EIA-895. These ratios are applied to the month's estimates for gross withdrawals to calculate figures for nonhydrocarbon gases removed, gas used for repressuring, and gas vented and flared. Estimates for gross withdrawal data are calculated from final

monthly data filed on Form EIA-895 for the previous year.

Preliminary Monthly Data

All monthly data are considered preliminary until after publication of the *Natural Gas Annual* for the year in which the report month falls. Preliminary monthly data are published from reports from the Form EIA-895 and the MMS. Volumetric data are converted, as necessary, to a standard 14.73 psia pressure base. Data are revised as Table 7 monthly data are updated.

Final Monthly Data

Final monthly data for 1993, 1994, and 1995 are the sums of monthly data reported on the annual Form EIA-627, "Annual Quantity and Value of Natural Gas Report." For prior years, the differences between each State's annual production data reported on the EIA-627 and the sum of its monthly IOGCC reports for the year were allocated proportionally to the monthly IOGCC data.

Note 4. Imports and Exports

Annual Data and Final Monthly Data

Annual and final monthly data are published from the Office of Fossil Energy, U.S. Department of Energy, *Natural Gas Imports and Exports*, which requires data to be reported each quarter by month for the calendar year.

Preliminary Monthly Data - Imports

Preliminary monthly import data are based on data from the National Energy Board of Canada and responses to informal industry contacts and EIA estimates. Preliminary data are revised after the publication of the article "U.S. Imports and Exports of Natural Gas" for the calendar year.

Preliminary Monthly Data - Exports

Preliminary monthly export data are based on historical data from the Office of Fossil Energy, U.S. Department of Energy, *Natural Gas Imports and Exports*, informal industry contacts, and information gathered from natural gas industry trade publica-

tions. Preliminary monthly data are revised after publication of "U.S. Imports and Exports of Natural Gas" for the calendar year in which the report month falls.

Note 5. Consumption

All Annual Data

All consumption data except electric utility data are from the Form EIA-857 and Form EIA-176. No adjustments are made to the data. Electric utility data are reported on Form EIA-759.

Monthly Data

All monthly data are considered preliminary until after publication of the *Natural Gas Annual*.

Total Consumption

Preliminary Monthly Data

The most current month estimate is calculated based on the arithmetic average change from the previous month for the previous 3 years. The following month this estimate is revised by summing the components (pipeline fuel, lease and plant fuel, and deliveries to consumers).

Final Monthly Data

Monthly data are revised after publication of the *Natural Gas Annual*. Final monthly total consumption is obtained by summing its components.

Residential, Commercial, and Industrial Sector Consumption

Preliminary Monthly Data

Preliminary monthly residential, commercial, and industrial data are from Form EIA-857. See Appendix C, "Statistical Considerations," for a detailed explanation off sample selection and estimation procedures.

Average Price of Deliveries to Consumers

Price data are representative of prices for gas sold and delivered to residential, commercial, and industrial consumers. These prices do not reflect average

prices of natural gas transported to consumers for the account of third parties or "spot-market" prices.

Final Monthly Data

Monthly data are revised after the publication of the *Natural Gas Annual*. Final monthly data are estimated by allocating annual consumption data from the Form EIA-176 to each month in proportion to monthly volumes reported in Form EIA-857.

Agricultural Use

Beginning with the reporting of 1996 annual data, the EIA changed the customer category used for reporting deliveries to consumers in the agricultural industry from commercial to industrial. In 1995 and earlier years, consumption of natural gas for agricultural use was classified as commercial use. Separate reports of the volumes affected are not available so the direct impact of this change is not known. Most natural gas consumed in agriculture is used to drive irrigation systems and to dry crops.

For the reporting of monthly data, the customer category will not be changed until 1998. In 1996, the monthly data reported under the old classification were adjusted to the annual data reported under the new classification. Monthly 1997 data will be adjusted in the same way as the 1996 data.

In comparing sectoral use over time, note that:

- There is an inherent shift in natural gas volumes from the commercial to industrial sectors due simply to changes in the reporting requirements. This break in series may indicate a spurious increase in industrial consumption with a corresponding decrease in the commercial sector.
- The sum of natural gas volumes consumed by the commercial and industrial sectors will not be changed by this modification of the instructions.

Electric Utility Sector Consumption

All Monthly Data

Monthly data published are from Form EIA-759.

Pipeline Fuel Consumption

Preliminary Monthly Data

Preliminary data are estimated based on the pipeline fuel consumption as an annual percentage of total consumption from the previous year's Form EIA-176. This percentage is applied to each month's total consumption figure to compute the monthly estimate.

Final Monthly Data

Monthly data are revised after the publication of the *Natural Gas Annual*. Final monthly data are based on the revised annual ratio of pipeline fuel consumption to total consumption from the Form EIA-176. This ratio is applied to each month's revised total consumption figure to compute final monthly pipeline fuel consumption estimates.

Lease and Plant Fuel Consumption

Preliminary Monthly Data

Preliminary monthly data are estimated based on lease and plant fuel consumption as an annual percentage of marketed production. This percentage is applied to each month's marketed production figure to compute estimated lease and plant fuel consumption.

Final Monthly Data

Monthly data are revised after publication of the *Natural Gas Annual*. Final monthly plant fuel data are based on a revised annual ratio of lease and plant fuel consumption to marketed production from Form EIA-176. This ratio is applied to each month's revised marketed production figure to compute final monthly plant fuel consumption estimates. Final monthly lease data are collected on the Form EIA-627 and estimates from the Form EIA-176. See the *Natural Gas Annual* for a complete discussion of this process.

Note 6. Extraction Loss

Annual Data

Extraction loss data are calculated from filings of Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production." For a fuller discussion, see the *Natural Gas Annual*.

Preliminary Monthly Data

Preliminary data are estimated based on extraction loss as an annual percentage of marketed production.

This percentage is applied to each month's marketed production to estimate monthly extraction loss.

Final Monthly Data

Monthly data are revised after the publication of the *Natural Gas Annual*. Final monthly data are estimated by allocating annual extraction loss data to each month based on its total natural gas marketed production.

Note 7. Natural Gas Storage

Underground Natural Gas Storage

All monthly data concerning underground storage are published from the EIA-191. A new EIA-191 became effective in January 1994. Injection and withdrawal data from the EIA-191 survey are adjusted to correspond to data from Form EIA-176 following publication of the *Natural Gas Annual*.

Underground and Liquefied Natural Gas Storage

The final monthly and annual storage and withdrawal data for 1991 through 1995 shown in Table 2 include both underground and liquefied natural gas (LNG) storage. Underground storage data are obtained from the EIA-191 and EIA-176 surveys in the manner described earlier. Annual data on LNG additions and withdrawals are taken from Form EIA-176. Monthly data are estimated by computing the ratio of each month's underground storage additions and withdrawals to annual underground storage additions and withdrawals and applying it to annual LNG data.

Types of Underground Storage Facilities

There are three principal types of underground storage facilities in operation in the United States today: salt caverns (caverns hollowed out in salt "bed" or "dome" formations), depleted fields (depleted reservoirs in oil and/or gas fields), and aquifer reservoirs (water-only reservoirs conditioned to hold natural gas). A storage facility's daily deliverability or withdrawal capability is the amount of gas that can be withdrawn from it in a 24-hour period. Salt cavern storage facilities generally have high deliverability because all of the

working gas in a given facility can be withdrawn in a relatively short period of time. (A typical salt cavern cycle is 10 days to deplete working gas, and 20 days to refill working gas.) By contrast, depleted field and aquifer reservoirs are designed and operated to withdraw all working gas over the course of an entire heating season (about 150 days). Further, while both traditional and salt cavern facilities can be switched from withdrawal to injection operations during the heating season, this is usually more quickly and easily done in salt cavern facilities, reflecting their greater operational flexibility.

Note 8. Average Wellhead Value

Annual Data

Form EIA-895 requests State agencies to report the quantity and value of marketed production. When complete data are unavailable, the form instructs the State agency to report the available value and the quantity of marketed production associated with this value. A number of States reported volumes of production and associated values for other than marketed production. In addition, information for several States which were unable to provide data was obtained from Form EIA-176. It should be noted that Form EIA-176 reports a fraction of State production. The imputed value of marketed production in each State is calculated by dividing the State's reported value by its associated production. This unit price is then applied to the quantity of the State's marketed production to derive the imputed value of marketed production.

Preliminary Monthly Data

Preliminary values for the monthly U.S. Natural gas wellhead price are estimated from the final settlement price reported by the New York Mercantile Exchange (NYMEX) for near-month delivery and from the prevailing cash market prices at 5 major trading hubs: Henry Hub, LA; Carthage, TX; Katy, TX; Waha, TX; and Blanco, NM. These prices appear initially in the trade publication, *Natural Gas Week*, and they reflect the spot delivered-to-pipeline, volume-weighted average prices for natural gas bought and sold at the specified trading hubs. Prices include processing, gathering, and transportation fees to the hubs. The estimated wellhead prices are derived with a statistical procedure based on analysis of monthly time series data for the period 1995 through 1997. The preliminary estimates are replaced when

annual survey data become available. This procedure was adopted beginning with publication of the February 1999 issue of the *Natural Gas Monthly* and it affects price estimates from January 1998 to the present.

Final Monthly Data

The Form EIA-895 requests State agencies to report monthly values of marketed production. Preliminary monthly gas price data are replaced by these final monthly data.

Note 9. Balancing Item

The "balancing item" category represents the difference between the sum of the components of natural gas supply and the sum of the components of natural gas disposition. These differences may be due to quantities lost or to the effects of data reporting problems.

Reporting problems include differences due to the net result of conversions of flow data metered at varying temperatures and pressure bases and converted to a standard temperature and pressure base; the effect of variations in company accounting and billing practices; differences between billing cycles and calendar periods; and imbalances resulting from the merger of data reporting systems, which vary in scope, format, definitions, and type of respondents.

Annual Data

Annual data are from the *Natural Gas Annual*. For an explanation of the methodology involved in calculating annual "balancing item" data, see the *Natural Gas Annual*.

Preliminary Monthly Data

Preliminary monthly data in the "balancing item" category are calculated by subtracting dry gas production, withdrawals from storage, supplemental gaseous fuels, and imports from total supply/disposition.

Note 10. Heating Degree-Days

Degree-days are relative measurements of outdoor air temperature. Heating degree-days are deviations of the mean daily temperature below 65 degrees

Fahrenheit. A weather station recording a mean daily temperature of 40 degrees Fahrenheit would report 25 heating degree-days. There are several degree-day data bases maintained by the National Oceanic and Atmospheric Administration. The information published in the Natural Gas Monthly is developed by the National Weather Service Climate Analysis Center, Camp Springs, Maryland.

The data are available weekly with monthly summaries and are based on mean daily temperatures recorded at about 200 major weather stations around the country. The temperature information recorded at these weather stations is used to calculate Statewide degree-day averages weighted by gas home customers. The State figures are then aggregated into Census Divisions and into the national average.

Appendix B

Data Sources

The data in this publication are taken from survey reports authorized by the U.S. Department of Energy (DOE), Energy Information Administration (EIA) and by the Federal Energy Regulatory Commission (FERC). The EIA is the independent statistical and analytical agency within the DOE. The FERC is an independent regulatory commission within the DOE which has jurisdiction primarily in the regulation of electric utilities and the interstate natural gas industry. The EIA conducts and processes some of the surveys authorized by the FERC. Data are collected from two annual surveys and five monthly surveys.

The annual report is the Form EIA-176, a mandatory survey of all companies that deliver natural gas to consumers or that transport gas across State lines.

The monthly reports include two surveys of the natural gas industry, two surveys of the electric utility industry, and a voluntary survey completed by energy or conservation agencies in the gas producing States. The natural gas industry survey is the Form EIA-191 filed by companies that operate underground storage facilities, and the Form EIA-857 is filed by a sample of companies that deliver natural gas to consumers. The electric utility industry surveys are the Form EIA-759 filed by all generating electric utilities and the Form FERC-423 filed by fossil fueled plants. Responses to these four monthly surveys are mandatory.

A description of the survey respondents, reporting requirements, and processing and editing of the data is given on the following pages for each of the surveys.

Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"

Survey Design

The original version of Form EIA-176 was approved in 1980 with a mandatory response requirement. Prior to 1980, published data were based on voluntary responses to Bureau of Mines, U.S. Department of the Interior predecessor Forms BOM-6-1340-A and BOM-6-1341-A of the same title.

In 1982, the scope of the revised EIA-176 survey was expanded to collect the number of electric utility consumers in each State, volumes of gas transported to industrial and electric utility consumers, detailed information on volumes transported across State borders by the respondent for others and for the responding company, and detailed information on other disposition. These changes were incorporated to provide more complete survey information with a minimal change in respondent burden. The 1982 version of the Form EIA-176 continues to be the basis for the current version of this form.

In 1988, the Form EIA-176 was revised to include data collection for deliveries of natural gas to commercial and industrial consumers for the account of others. A short version of Form EIA-176 was also approved in 1988. Companies engaged in purchase and delivery activities but not in transportation and storage activities may file the short form. Usually, these companies are municipals handling small volumes of gas. form was approved for use beginning with report year 1990.

In 1990, the Form EIA-176 was revised to include more detailed information for gas withdrawn from storage facilities, gas added to storage facilities, deliveries of company-owned natural gas and natural gas transported for the account of others. The revised form was approved for use beginning with report year 1990.

Upon the Office of Management and Budget's approval in 1993, the Form EIA-176 was again revised. All deliveries to consumers are now categorized as firm or interruptible. Commercial and industrial consumers are further categorized as nonutility power producers or as those excluding nonutility power producers.

Data reported on this form are no longer considered proprietary. Response to the form continues to be mandatory.

Survey Universe and Response Statistics

The Form EIA-176 is mailed to all identified interstate and intrastate natural gas pipeline companies, investor and municipally owned natural gas distributors, underground natural gas storage operators, synthetic natural gas plant operators, and field, well, or processing plant operators that deliver natural gas directly to consumers (including their own industrial facilities) and/or that transport gas to, across, or from a State border through field or gathering facilities.

Each company and its parent company or subsidiaries were required to file if they met the survey specifications. The original mailing in 1999 for report year 1998 totaled 1,910 questionnaire packages. To this original mailing, 5 names were added and 32 were deleted as a result of the survey processing. Additions were the result of comparisons of the mailing list to other survey mailing lists. Deletions resulted from post office returns and determinations that companies were out of business, sold, or not within the scope of the survey. After all updates, the survey universe was 1,883 responses from approximately 1,800 companies.

Following the original mailing, second request mailing, and nonrespondents follow-up, 1,883 responses were entered into the data base, and there were 50 nonrespondents.

Summary of Form EIA-176 Data Reporting Requirements

The EIA-176 is a multi-line schedule for reporting all supplies of natural gas and supplemental gaseous fuels and their disposition within the State indicated. Respondents file completed forms with EIA in Washington, DC. Data for the report year are due by April 1 of the following year. Extensions of the filing deadline for up to 45 days are granted to any respondent on request.

All natural gas and supplemental gaseous fuels volumes are reported on a physical custody basis in thousand cubic feet (Mcf), and dollar values are reported to the nearest whole dollar. All volumes are reported at 14.73 pounds per square inch absolute pressure (psia) and 60 degrees Fahrenheit.

Routine Form EIA-176 Edit Checks

A series of manual and computerized edit checks are used to screen the Form EIA-176. The edits performed include validity, arithmetic, and analytical checks.

The incoming forms are reviewed prior to keying. This prescan determines if the respondent identification (ID) number and the company name and address are correct, if the data on the form appear complete and reasonable, and if the certifying information is complete.

Manual checks on the data are also made. Each form is prescanned to determine that data were reported on the correct lines. The flow of gas through interstate pipelines is checked at the company level to ensure that each delivery from a State is matched with a corresponding receipt in an adjoining State.

After the data are keyed, computer edit procedures are performed. Edit programs verify the report year, State code, and arithmetic totals. Further tests are made to ensure that all necessary data elements are present and that the data are reasonable and internally consistent. The computerized edit system produces error listings with messages for each failed edit test. When problems occur, respondents are contacted by telephone and required to file amended forms with corrected data.

Other EIA Publications Referencing Form EIA-176

Data from Form EIA-176 are also published in the *Natural Gas Annual*.

Form-627 and Form EIA-895

Survey Design

Beginning with 1980 data, natural gas production data previously obtained on an informal basis from the appropriate State agencies were collected on the Form EIA-627, "Annual Quantity and Value of Natural Gas Report." This form was designed by the EIA to collect annual natural gas production data from the appropriate State agencies under a standard data reporting system within the limits imposed by the diversity of data collection systems of the various producing States. It was also designed to avoid duplication of the efforts involved in the collection of production and value data by producing States and to avoid an unnecessary respondent burden on gas and oil well operators. In 1993, value and associated volume of marketed production by month was added to the EIA-627. In 1996, the Form EIA-627 was discontinued. The information is collected on an annual schedule on the Form EIA-895.

In 1993, the Office of Management and Budget approved the Form EIA-627 for use in report years 1994 through 1996. In 1994, the IOGCC decided to discontinue collection of their form. Data collection on the Form EIA-895 began in January 1995. This form was designed to replace the Interstate Oil and Gas Compact Commission (IOGCC) form, "Monthly Report of Natural Gas Production." All gas producing States are requested to report on the Form EIA-895; a voluntary report. In 1996, an annual schedule was added to the voluntary Form EIA-895 to replace the Form EIA-627. Data are reported by State agencies. The form was designed to provide a standard reporting system, to the extent possible, for the natural gas data reported by the States. Data are not considered proprietary.

Survey Universe and Response Statistics

Form EIA-895 is mailed to energy or conservation agencies in all 33 natural gas producing States. All producing States participate voluntarily in the EIA-895 survey by filing the completed form or by responding to telephone contacts. EIA-895 survey by fil-

ing the completed form or by responding to telephone contacts.

Reports on State production are due 20 days after the end of the report month. (In most cases, the data are not available to the States until after this time period.

Therefore, States are requested to send the report within 80 days after the end of the report month.) The annual schedule of the Form EIA-895 is due with the December data report.

Of the 33 natural gas producing states, 31 participated in the voluntary EIA-895 survey by filing the completed form or by responding to telephone contacts. Data for the 2 nonresponding States (Illinois and West Virginia) were estimated. Data on the quantities of nonhydrocarbon gases removed in 1998 were reported by the appropriate agencies of 22 of the 33 producing States. These 22 States accounted for 66 percent of total 1998 gross withdrawals. In addition, the gross withdrawal data from Kansas, Louisiana, Montana, and Oklahoma, which together accounted for 39 percent of total production, excluded all or most of the nonhydrocarbon gases removed on leases. The State of Missouri reported zero gross withdrawals.

The commercial recovery of methane from coalbeds contribute a significant amount to the production totals in a number of States. Coalbed methane seams production quantities (in million cubic feet) are included in gross withdrawals totals for the following States: Alabama (116,946), Colorado (387,376), and New Mexico (608,000).

Summary of Data Reporting Requirements

The Form EIA-895 is a two-page form divided into five parts. Part I requests identifying information including the name and location of the responding State agency and the name and telephone number of a contact person within the agency. Part II collects monthly data on the production of natural gas including gross withdrawals from both gas and oil wells; volumes returned to formation for repressuring, pressure maintenance, and cycling; quantities vented and flared; quantities of nonhydrocarbon gases removed; quantities of fuel used on lease; and marketed production. Part III of the form is for reporting the monthly volume and value of marketed production. Part IV of the form is the annual schedule which collects data on the

number of producing gas wells, the production of natural gas including gross withdrawals from both gas and oil wells; volumes returned to formation for repressuring, pressure maintenance, and cycling; quantities vented and flared; quantities of nonhydrocarbon gases removed; quantities of fuel used on lease; marketed production; the value of marketed production; and quantity of marketed production (value based). Part V is space to be used by the respondent to explain data elements reported that may be based on definitions differing from those applied to data in previous years.

Respondents are asked to report all volumes in thousand cubic feet at the State's standard pressure base and at 60 degrees Fahrenheit. All dollar values are reported in thousands.

Routine Form EIA-895 Edit Checks

Each filing of Form EIA-895 is manually checked for reasonableness and mathematical accuracy. Information on the forms is compared to totals of monthly data reported. Volumes are converted, as necessary, to a standard 14.73 psia pressure base. Reasonableness of data is assessed by comparing reported data to the previous year's data. State agencies are contacted by telephone to correct errors. Amended filings or resubmissions are not a requirement, since participation in the survey is voluntary.

Other EIA Publications Referencing Form EIA-895

Data from Form EIA-895 are also published in the EIA publication, *Natural Gas Annual*.

EIA-191 Survey, "Underground Natural Gas Storage Report"

Survey Design

The Form EIA-191, "Underground Natural Gas Storage Report," was revised effective January 1994. Among the changes from the form used from 1991 through 1993 is a distinction between a monthly and annual survey. Prior to 1991, data on the storage of natural gas were collected on a survey jointly implemented in 1975 by the Federal Power Commission (FPC), the Federal Energy Administration (FEA), and the Bureau of Mines (BOM) as the FPC-8/ FEA-G-318 system. The data received on both the FPC-8 and

FEA-G-318 were computerized and aggregated by FPC. The form was previously revised in 1991 to include storage data by State, field, and reservoir.

At the beginning of 1979, the EIA assumed responsibility for the collection, processing, and publication of the data gathered in the survey. Form FEA-G-318 was renewed on July 1, 1979, as Form EIA-191 and the survey was retitled the FPC-8/EIA-191 Survey (Figure D4 shows the EIA-191). Form FPC-8 was renewed in December 1985 and the survey retitled FERC-8/EIA-191 Survey. The forms were not merged because of FERC's stated desire to maintain the separate identity of the FERC-8 for administrative reasons. In September 1995, the FERC discontinued the reporting requirements of Form FERC-8. FERC jurisdictional firms will continue to file Form EIA-191.

Survey Universe and Response Statistics

The 114 companies that operate underground facilities will file the Form EIA-191. Of these companies, 42 are subject to the jurisdiction of FERC and are required to report data on Form EIA-191.

The response rate as of the filing deadline is approximately 20 percent. Data from the remaining 80 percent of respondents are received in writing and/or by telephone within 3 to 4 days after the filing deadline. All data supplied by telephone are subsequently filed in writing, generally within 15 days of the filing deadline. The final response rate is 100 percent.

Summary of EIA-191 Data Reporting Requirements

The EIA-191 monthly schedule contains current month and prior month's data on the total quantities of gas in storage, injections and withdrawals, the location (including State and county, field, reservoir) and peak day withdrawals during the reporting period. Prior month's data are required only when data are revised. Information on co-owners of storage fields has been eliminated. The annual schedule contains type of facility, storage field capacity, maximum deliverability and pipelines to which each field is connected. The annual schedule is filed with the January submission.

Collection of the survey is on a custody basis. Information requested must be provided within 20 days after the first day of each month. Twelve reports are required per calendar year. Respondents are required to indicate whether the data reported are actual or estimated. For most of the estimated filings, the actual data or necessary revisions are reflected in the prior month section of the monthly form. Actual data on natural gas injections and withdrawals from underground storage are based on metered quantities. Data on quantities of gas in storage and on storage capacity represent, in part, reservoir engineering evaluations. All volumes are reported at 14.73 psia and 60 degrees Fahrenheit.

Routine Form EIA-191 Edit Checks

Data received on Form EIA-191 are entered into the survey processing system. The survey's five principal data elements (total, base, working gas in storage, injections, and withdrawals) receive a preliminary visual edit to eliminate and correct obvious errors or omissions. Respondents are required to re-file reports containing any inconsistencies or errors.

Other EIA Publications Referencing Form EIA-191

The EIA publication *Monthly Energy Review* and *Winter Fuels Report* contain data from the EIA-191 survey.

“Quarterly Natural Gas Import and Export Sales and Price Report”

Survey Design

The collection of data covering natural gas imports and exports was begun in 1973 by the Federal Power Commission (FPC). On October 1977, FPC ceased to exist and its data collection functions were transferred to the Federal Energy Regulatory Commission (FERC) within the Department of Energy (DOE). From 1979 to 1994, the Energy Information Administration (EIA) has had the responsibility for collecting Form FPC-14, “Annual Report for Importers and Exporters of Natural Gas.” Data are not considered proprietary. The Form FPC-14 was discontinued in 1995.

Beginning in 1995, import and export data are taken from the “Quarterly Natural Gas Import and Export Sales and Price Report.” This report is prepared by the Office of Fossil Energy, U.S. Department of Energy, based on information submitted by all firms having authorization to import or export natural gas.

Survey Universe and Response Statistics

All companies are required, as a condition of their authorizations to import or export natural gas, to file quarterly reports with the Office of Fossil Energy. These data are collected as part of its regulatory responsibilities. The data are reported at a monthly level of detail. Data reported on the Form FPC-14 represented physical movements of natural gas. Data collected by the Office of Fossil Energy are reported on an equity (sales) basis. For 1994 and earlier years, comparisons of the data from the two sources may show differences because reporting requirements were different. Prior to 1995, the Form FPC-14 was filed annual by each organization or individual having authority to import and export natural gas regardless of whether any activity took place during the reporting year. Authorizations to import and export were originally granted by the FPC. In 1977, the authority to grant authorizations transferred to the Economic Regulatory Administration (ERA). It now resides with the Office of Fossil Energy, U.S. Department of Energy.

Routine Edit Checks

Respondents are required to certify the accuracy of all data reported. The data are checked for reasonableness and accuracy. If errors are found, the companies are required to file corrected data. The data are compared with data reported by the National Energy Board of Canada and are published quarterly. All natural gas volumes in this report are expressed at a pressure base of 14.73 pounds per square inch absolute and temperature of 60 degrees Fahrenheit, except as noted. All import and export prices are in U.S. dollars and, except for LNG exports, are those paid at the U.S. border. LNG export prices are those paid at the point of sale and delivery in Yokohama, Japan.

Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"

Survey Design

The original Form EIA-857 was approved for use in December 1984. Response to the Form EIA-857 is mandatory on a monthly basis. Data collected on the Form EIA-857 cover the 50 States and the District of Columbia and include both price and volume data. Data are considered proprietary.

Survey Universe and Response Statistics

A sample of approximately 400 natural gas companies, including interstate pipelines, intrastate pipelines, and local distribution companies, report to the survey. The sample was selected independently for each of the 50 States and the District of Columbia from a frame consisting of all respondents to Form EIA-176 who reported deliveries of natural gas to consumers in the residential, commercial, or industrial sectors. Each selected company is required to complete and file the Form EIA-857 on a monthly basis. Initial response statistics on a monthly basis are as follows: responses received by due date, approximately 50 percent, and responses received after follow-up, 100 percent. Virtually all are received in time for incorporation in the current month's processing cycle. When a response is extremely late, and the company represents less than 25 percent of the natural gas volumes delivered by all sampled companies in the State, values are imputed as described in Appendix C. When the company's submission is

eventually received, the submitted data are used for future processing and revisions.

The Form EIA-857 is a monthly sample survey of firms delivering natural gas to consumers. It provides data that are used to estimate monthly sales of natural gas (volume and price) by State and monthly deliveries of natural gas on behalf of others (volume) by State to three consumer sectors - residential, commercial, and industrial. (Monthly deliveries and prices of natural gas to electric utilities are reported on the Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," and the Form EIA-759, "Monthly Power Plant Report.") See Appendix C for a discussion of the sample design and estimation procedures.

Summary of Form EIA-857 Data Reporting Requirements

Data collected monthly on the Form EIA-857 on a State level include the volume and cost of purchased gas, the volume and cost of natural gas consumed by sector (residential, commercial, and industrial), and the average heat content of all gas consumed. Respondents file completed forms with EIA in Washington, DC on or before the 30th day after the end of the report month.

All natural gas volumes are reported in thousand cubic feet at 14.73 psia at 60 degrees Fahrenheit and dollar values are reported to the nearest whole dollar.

Routine Form EIA-857 Edit Checks

A series of manual and computerized edit checks are used to screen the Form EIA-857. The edits performed include validity and analytical checks.

Appendix C

Statistical Considerations

The monthly sales (volume and price) and monthly deliveries (volume) of natural gas to residential, commercial and industrial consumers presented in this report by State are estimated from data reported on the Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers." (See Appendix B for a description of this Form.) These estimations must be made from the reported data since the Form EIA-857 is a sample survey. A description of the sample design and the estimation procedures is given below.

Sample Design

The Form EIA-857 is a monthly sample survey of companies delivering natural gas to consumers. It includes inter- and intrastate companies, and producers, as well as local distribution companies. The survey provides data that are used each month to estimate the volume of natural gas delivered and the price for onsystem sales of natural gas by State to three consumer sectors—residential, commercial, and industrial. Monthly deliveries and prices of natural gas to electric utilities are reported on the Form EIA-759, "Monthly Power Plant Report," and the Form FERC-423, "Monthly Report of Costs and Quality of Fuels for Electric Plants."

Sample Universe. The sample currently in use was selected from a universe of 1,538 companies. These companies were respondents to the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition," for reporting year 1995 who reported sales or deliveries to consumers in the residential, commercial or industrial sectors. (See Appendix B for a description of the Form EIA-176.)

Sampling Plan. The goal was a sample that would provide estimates of monthly natural gas consumption by the three consuming sectors within each State and the District of Columbia. A stratified sample using a single stage and systematic selection with probability

proportional to size was designed. The measure of size was the volume of natural gas physically delivered in the State to the three consuming sectors by the company in 1995. There were two strata—companies selected with certainty and companies selected under the systematic probability proportional to size design.

Initial calculations showed that a 25 percent sample of companies would yield reasonably accurate estimates. The sample was selected independently in each State, resulting in a national total of 387 respondent companies. Unlike previous years, no mergers or acquisitions were uncovered as a result of the initial mail-out. Therefore there was no need for either substitution of respondent companies or a reduction in the total number of respondents.

Certainty Stratum. Since estimates were needed for each of the 50 States and the District of Columbia, the strata were established independently within each State. In 16 States and the District of Columbia where sampling was not feasible due to small numbers of companies and/or small volumes of gas deliveries, all companies were selected. The 16 States were: Alaska, Connecticut, Delaware, Hawaii, Idaho, Maine, North Dakota, New Hampshire, New Jersey, Nevada, Oregon, Rhode Island, South Dakota, Utah, Vermont, and Washington.

For each of the remaining States, the total volumes of industrial sales and deliveries and of the combined residential/commercial sales and deliveries were determined. Companies with natural gas deliveries to the industrial sector or to the combined residential/commercial sector above a certain level were selected with certainty. Since a few large companies often account for most of the natural gas delivered within a State, this ensures those companies' inclusion in the sample. The formula for determining certainty was applied independently in the two consumer sectors—the industrial

Appendix C

and the combined residential/commercial. These selected companies, together with the companies in the jurisdictions discussed where sampling was not feasible, formed the certainty stratum.

All companies with natural gas deliveries in sector j greater than the cut-off value (C_j) were included in the certainty stratum. The formula for C_j was:

$$C_j = \frac{X_{..j}}{2n} \quad (1)$$

where:

C_j = cutoff value for consumer sector j,

n = target sample size to be selected for the State, 25 percent of the companies in the State,

$X_{..j}$ = the annual volume of natural gas deliveries by company i to customers in consumer sector j,

$X_{..}$ = the sum within State of annual gas volumes for company i,

$X_{..j}$ = the sum within State of annual gas volumes in consumer sector j,

$X_{..}$ = the sum within State of annual gas volumes in all consumer sectors.

Noncertainty Stratum. All other companies formed the noncertainty stratum. They were systematically sampled with probability proportional to size. The measure of size for each company was the total volume of gas sales to all consumer sectors (X_i). The number of companies to be selected from the noncertainty stratum was calculated for each State, with a minimum of 2.

The formula for selecting the number of noncertainty stratum companies was:

$$m = n \frac{X^2}{X_{..}} \quad (2)$$

where:

m = the sample size for the noncertainty stratum within a State,

X^2 = the sum within State of the X_i for all companies in the noncertainty stratum.

Companies were listed in ascending order according to their measure of size and then a cumulative measure of size in the stratum was calculated for each company. The cumulative measure of size was the sum of the measures of size for that company and all preceding companies on the list. An interval of width I for selecting the companies systematically was calculated using:

A uniform random number R was selected between zero and $\left(I = \frac{X^2}{m} \right) I$. The first sampled company was

the first company on the list to have a cumulative measure of size greater than R. The second company selected was the first company on the list to have a cumulative measure of size greater than $R + I$. $R + I$ was increased again by I to determine the third company to be selected. This procedure was repeated until the entire sample was drawn.

Subgroups. In eight States, the noncertainty stratum was divided into subgroups to ensure that gas in each consumer sector could be estimated. The systematic sample with probability proportional to size design described above was applied independently in each subgroup. The methods for determining the subgroup sample size and calculating the subgroup interval for sample selection were the same as the methods described above for the noncertainty stratum, except that X^2 was the sum within State of the X_i for only those companies in the subgroup.

These subgroups were defined only for the purpose of sample selection. They are:

California: companies handling only industrial gas and all other companies.

Iowa: companies handling industrial gas and companies delivering only to residential or commercial customers.

Louisiana: companies handling only industrial gas and all other companies, with the latter being further subdivided according to size. The larger group is comprised of all companies with total deliveries of at least 200 million cubic feet while the smaller group consists of companies with less than that volume of delivered gas (three subgroups).

Oklahoma: Companies delivering less than 500 million cubic feet of gas and those delivering more than that volume.

Texas: companies handling only residential/commercial gas, companies handling only industrial gas, and all other companies (three subgroups).

Estimation Procedures

Estimates of Volumes. A ratio estimator is applied to the volumes reported in each State by the sampled companies to estimate the total gas sales and deliveries for the State. Ratio estimators are calculated for each consumer sector—residential, commercial, and industrial—in each State where companies are sampled. The following annual data are taken from the most recent 1995 submissions of Form EIA-176:

The formula for calculating the ratio estimator (E_{vj}) for the volume of gas in consumer sector j is:

$$E_{vj} = \frac{Y_j}{Y'_j} \quad (3)$$

where:

Y_j = the sum within State of annual gas volumes in consumer sector j for all companies,

Y'_j = the sum within State of annual gas volumes in consumer sector j for those companies in the sample.

The ratio estimator is applied as follows:

$$V_{.j} = y_{.j} \times E_{vj} \quad (4)$$

where:

$V_{.j}$ = the State estimate of monthly gas volumes in consumer sector j ,

$y_{.j}$ = the sum within State of reported monthly gas volumes in consumer sector j .

Computation of Natural Gas Prices. The natural gas volumes that are included in the computation of prices represent only those volumes associated with natural gas sales.

The price of natural gas for a State within a sector is calculated as follows:

$$P_j = \frac{R_j}{V'_j}$$

where:

P_j = the average price for gas sales within the State in consumer sector j ,

R_j = the reported revenue from natural gas sales within the State in consumer sector j ,

V_j = the reported volume of natural gas sales within the State in consumer sector j .

All average prices are weighted by their corresponding sales volume estimates when national average prices are computed.

The monthly average prices of natural gas are based on sales data only. Volumes of gas delivered for the account of others to these consumer sectors are not included in the State or national average prices.

Table 25 shows the percent of the total State volume that represents volumes from natural gas sales to the commercial and industrial sectors. This table may be helpful in evaluating commercial and industrial price data. Virtually all natural gas deliveries to the residential sector represent onsystem sales volumes only.

See the section on consumer price calculations in this Appendix for further price information.

Estimation for Nonrespondents. A volume for each consumer category is imputed for companies that fail to respond. The imputation is based on the previous month's value reported by the non-responding company and the change from the previous month to the current month in volumes reported by other companies in the State. The imputed volumes are included in the State totals. To estimate prices for non-respondents, the unit price (dollars per thousand cubic feet) reported by the company in the previous month is used.

The formula for imputing volumes of gas sales for nonrespondents was:

$$F_t = F_{t-1} \times \frac{y_{jt}}{y_{jt-1}} \quad (5)$$

where:

F_t = imputed gas volume for current month t ,

F_{t-1} = gas volume for the company for the previous month,

y_{jt} = gas volume reported by companies in the State stratum for report month t,

$y_{j,t-1}$ = gas volume in the previous month for companies in the State stratum that reported in month t.

Final Revisions

Adjusting Monthly Data to Annual Data. After the annual data reported on the Form EIA-176 have been submitted, edited, and prepared for publication in the *Natural Gas Annual*, revisions are made to monthly data. The revisions are made to the volumes and prices of natural gas delivered to consumers that have appeared in the *Natural Gas Monthly* to match them to the annual values appearing in the *Natural Gas Annual*. The revised monthly estimates allocate the difference between the sum of monthly estimates and the annual reports according to the distribution of the estimated values across the months.

Before the final revisions are made, changes or additions to submitted data received after publication of the monthly estimate and not sufficiently large to require a revision to be published in the *Natural Gas Monthly*, are used to derive an updated estimate of monthly consumption and revenues for each State's residential, commercial, or industrial natural gas consumption.

For each State, two numbers are revised, the estimated consumption and the estimated price per thousand cubic feet.

The formula for revising the estimated consumption is:

$$V^*_{jm} = V_{jm} + \left[(V_{ja} - V'_{jm}) \left(\frac{V_{jm}}{V'_{jm}} \right) \right] \quad (6)$$

where:

V^*_{jm} = the final volume estimate for month m in consumer sector j,

V_{jm} = the estimated volume for month m in consumer sector j,

V_{ja} = the volume for the year reported on Form EIA-176,

V'_{jm} = The annual sum of estimated monthly volumes.

The price is calculated as described above in the Estimation Procedures section, using the final revised consumption estimate and a revised revenue estimate.

The formula for revising the estimated revenue is:

$$R^*_{jm} = R_{jm} + \left[(R_{ja} - R'_{jm}) \left(\frac{R_{jm}}{R'_{jm}} \right) \right] \quad (7)$$

where:

R^*_{jm} = the final revenue estimate for month m in consumer sector j,

R_{jm} = the estimated revenue for month m in consumer sector j,

R_{ja} = the revenue for the year reported on Form EIA-176,

R'_{jm} = The annual sum of estimated monthly revenues. Revision of Volumes and Prices for Deliveries to Electric Utilities. Revisions to monthly electric utilities data are published throughout the year as they become available.

Reliability of Monthly Data

The monthly data published in this report are subject to two sources of error - nonsampling error and sampling error. Nonsampling errors occur in the collection and processing of the data. See the discussion of the Form EIA-857 in Appendix B for a description of nonsampling errors for monthly data.

Sampling error may be defined as the difference between the results obtained from a sample and the results that a complete enumeration would provide. The standard error statistic is a measurement of sampling error.

Standard Errors. A standard error of an estimate is a statistical measure that indicates how the estimate from the sample compares to the result from a complete enumeration. Standard errors are calculated based on statistical theory that refers to all possible samples of the same size and design.

The standard errors for monthly natural gas volume estimates by State are given in Table C1. Ninety-five percent of the time, the volume that would have been obtained from a complete enumeration will lie in the range between the estimated volume minus two

standard errors and the estimated volume plus two standard errors.

The standard error of the natural gas volume estimate is the square root of the variance of the estimate. The formula for calculating the variance of the volume estimate is:

$$V(\hat{Y}) = \sum_{h=1}^H \left[N_h^2 \frac{\left(1 - \frac{n_h}{N_h}\right)}{n_h(n_h-1)} \left(\sum_{i=1} (y_i - Tx_i)^2 \right) \right] \quad (8)$$

where:

H = the total number of strata

N_h = the total number of companies in stratum h

n_h = the sample size in stratum h

y_i = the reported monthly volume for company i

x_i = the reported annual volume for company i

T = the ratio of the sum of the reported monthly volumes for sample companies to the sum of the reported annual volumes for the sample companies.

Appendix C

Table C-1. Standard Error for Natural Gas Deliveries and Price to Consumers by State, June 2000

State	Volume Million Cubic Feet				Price Dollars per Thousand Cubic Feet		
	Residential	Commercial	Industrial	Total	Residential	Commercial	Industrial
Alabama	67	112	552	567	0.44	1.78	3.13
Alaska	0	0	0	0	—	—	—
Arizona	0	0	0	0	—	—	—
Arkansas	NA	NA	72	NA	NA	NA	0.18
California	179	69	1,614	1,625	0.04	0.06	0.97
Colorado	NA	NA	NA	NA	NA	NA	NA
Connecticut	0	0	0	0	—	—	—
Delaware	0	0	0	0	—	—	—
District of Columbia	0	0	0	0	—	—	—
Florida	96	23	1,819	1,822	1.14	1.45	0.85
Georgia	NA	NA	NA	NA	NA	NA	NA
Hawaii	0	0	0	0	—	—	—
Idaho	0	0	0	0	—	—	—
Illinois	897	1,371	2,744	3,196	0.60	0.80	0.12
Indiana	NA	NA	4,913	NA	NA	NA	0.65
Iowa	22	24	83	90	0.47	0.23	0.13
Kansas	1,236	5,106	10,782	11,994	2.15	1.46	0.76
Kentucky	53	404	523	663	1.26	1.57	0.05
Louisiana	38	27	3,353	3,354	0.24	0.08	0.10
Maine	NA	NA	NA	NA	NA	NA	NA
Maryland	4	15	41	44	—	0.06	0.16
Massachusetts	NA	NA	NA	NA	NA	NA	NA
Michigan	35	467	952	1,061	0.14	0.12	0.08
Minnesota	298	292	1,771	1,820	0.54	0.35	0.20
Mississippi	71	63	84	127	0.64	0.60	0.12
Missouri	810	252	520	995	2.83	0.73	2.21
Montana	0	3	0	3	0.02	0.02	—
Nebraska	47	32	89	106	0.57	0.22	0.45
Nevada	0	0	0	0	—	—	—
New Hampshire	0	NA	NA	NA	—	NA	NA
New Jersey	NA	NA	NA	NA	NA	NA	NA
New Mexico	471	644	62	800	1.04	0.13	2.51
New York	NA	4,851	3,433	NA	NA	0.27	0.37
North Carolina	20	28	904	904	0.10	0.03	0.44
North Dakota	0	0	0	0	—	—	—
Ohio	964	6,227	6,501	9,053	1.64	0.03	0.32
Oklahoma	94	791	1,808	1,976	0.18	0.36	3.06
Oregon	0	0	0	0	—	—	—
Pennsylvania	NA	0	0	NA	NA	—	—
Rhode Island	0	0	0	0	—	—	—
South Carolina	15	26	730	731	0.15	0.06	0.07
South Dakota	0	0	0	0	—	—	—
Tennessee	NA	NA	NA	NA	NA	NA	NA
Texas	262	3,645	7,906	8,710	0.48	1.19	0.73
Utah	0	0	0	0	—	—	—
Vermont	0	0	0	0	—	—	—
Virginia	141	388	315	520	0.10	0.28	0.17
Washington	NA	NA	NA	NA	NA	NA	NA
West Virginia	46	275	364	458	0.63	1.12	2.20
Wisconsin	197	163	186	316	1.03	0.78	1.19
Wyoming	1	4	NA	NA	0.14	0.16	NA
Total	2,657	10,681	24,459	26,821	0.10	0.26	0.67

NA Not Available.
— Not Applicable.

Source: Energy Information Administration, Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Appendix D

Articles, Special Focuses and Special Reports

A variety of energy-related subjects are frequently included in this publication. The following articles have appeared in previous issues.

Feature Articles

<i>Natural Gas 1998: Issues and Trends - Executive Summary</i>	April 1999
<i>Revisions to Monthly Natural Gas Data</i>	July 1998
<i>EIA Corrects Errors in EIA's Drilling Activity Estimates Series</i>	March 1998
<i>Recent Trends in Natural Gas Spot Prices</i>	December 1997
<i>Natural Gas Residential Pricing Developments During the 1996-97 Winter</i>	August 1997
<i>Revisions to Monthly Natural Gas Data</i>	July 1997
<i>Intricate Puzzle of Oil and Gas Reserves Growth"</i>	July 1997
<i>Restructuring Energy Industries: Lessons from Natural Gas</i>	May 1997

Special Focuses

<i>Corporate Realignments and Investments in the Interstate Natural Gas Transmission System</i>	October 1999
<i>Deliverability on the Interstate Natural Gas Pipeline System</i>	May 1998
<i>Advance Summary: U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, 1996 Annual Report - Advance Summary</i>	September 1997
<i>Worldwide Natural Gas Supply and Demand and the Outlook for Global LNG Trade</i>	August 1997
<i>Outlook for Natural Gas Through 2015</i>	January 1997
<i>Natural Gas Productive Capacity</i>	January 1997

Special Reports

<i>U.S. Natural Gas Imports and Exports - 1999</i>	August 2000
<i>Natural Gas 1999: A Preliminary Summary</i>	May 2000

Appendix D

<i>Next Generation * Natural Gas (NG)² Information Requirements — Executive Summary</i>	February 2000
<i>Increasing Importance of Natural Gas Imports on the U.S. Marketplace</i>	February 2000
<i>Natural Gas Winter Outlook 1999-2000</i>	October 1999
<i>U.S. Natural Gas Imports and Exports - 1998</i>	August 1999
<i>Retail Unbundling</i>	July 1999
<i>Natural Gas 1998: A Preliminary Summary</i>	April 1999
<i>U.S. Natural Gas Imports and Exports - 1977</i>	August 1998
<i>Revisions to Monthly Natural Gas Data</i>	July 1998
<i>Natural Gas 1997: A Preliminary Summary</i>	April 1998
<i>Comparison of Natural Gas Storage Estimates from the EIA and AGA</i>	October 1997
<i>U.S. Underground Storage of Natural Gas in 1997: Existing and Proposed</i>	September 1997
<i>U.S. Natural Gas Imports and Exports - 1996</i>	August 1997
<i>Revisions to Monthly Natural Gas Data</i>	July 1997
<i>Natural Gas 1996: Highlights</i>	April 1997
<i>Natural Gas Pipeline and System Expansions</i>	April 1997
<i>Natural Gas Analysis and Geographic Information Systems</i>	March 1997

Appendix E

Technical Contacts

Section	Tables		Principal Data Sources	Technical Contact
Summary Statistics: Natural Gas Production	1,2,3	Monthly:	EIA-895, "Monthly Quantity of Natural Gas Report"	Sharon Belcher (202)586-6119
		Annual:	Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"	Roy Kass (202)586-4790
Extraction Loss	1	Monthly: Annual:	EIA computations Form EIA-816, "Monthly Natural Gas Liquids Report" and Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"	Margo Natof (202)586-6303
Supplemental Gaseous Fuels	2	Monthly: Annual:	EIA computations Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"	Margo Natof (202)586-6303
Imports and Exports	2	Monthly: Annual:	EIA computations Office of Fossil Energy, U.S. Department of Energy, "Natural Gas Import and Exports"	Ann Ducca (202)586-6137
Price: City Gate, Residential, Commercial, and Industrial	4	Monthly:	Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"	Roy Kass (202)586-4790
Wellhead	4	Monthly: Annual:	EIA computations Form EIA-895, "Monthly Quantity and Value of Natural Gas Report"	Sylvia Norris (202)586-6106
Electric Utility	4	Monthly:	Form FPC-423, "Cost and Quality of Fuels for Electric Power Plants"	Roy Kass (202)586-4790
Summary of Natural Gas Imports and Exports	5,6	Monthly:	Quarterly Natural Gas Import and Export Sales and Price Report	Ann Ducca (202)586-6137
Producer Related Activities: Natural Gas Production	7,8	Monthly:	EIA-895, "Monthly Quantity of Natural Gas Report"	Sharon Belcher (202)586-6119
Underground Storage:	9,10,11, 12,13,14	Monthly:	Forms FERC-8 and EIA-191, "Underground Gas Storage Report"	Carol Jones (202) 586-6168
Distribution and Consumption: Deliveries to:				
Residential,	15	Monthly:	Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"	Roy Kass (202)586-4790
Commercial,	16			
Industrial,	17			
Electric Utility,	18			
All Consumers	19		Form FERC-423, "Cost and Quality of Fuels for Electric Power Plants"	
Average Price to: City Gate,	20	Monthly:	Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"	Roy Kass (202)586-4790
Residential,	21			
Commercial,	22			
Industrial,	23			
Electric Utility	24		Form FERC-423, "Cost and Quality of Fuels for Electric Power Plants"	
Onsystem Sales	25	Monthly:	Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"	Roy Kass (202)586-4790
Heating Degree Days	26	Seasonal:	National Oceanic and Atmospheric Administration	Patricia Wells (202)586-6077
Highlights				Mary Carlson (202)586-4749

Glossary

Aquifer Storage Field: A sub-surface facility for storing natural gas, consisting of water-bearing sands topped by an impermeable cap rock.

Balancing Item: Represents the difference between the sum of the components of natural gas supply and the sum of the components of natural gas disposition. These differences may be due to quantities lost or to the effects of data reporting problems. Reporting problems include differences due to the net result of conversions of flow data metered at varying temperature and pressure bases and converted to a standard temperature and pressure base; the effect of variations in company accounting and billing practices; differences between billing cycle and calendar period time frames; and imbalances resulting from the merger of data reporting systems which vary in scope, format, definitions, and type of respondents.

Base (Cushion) Gas: The volume of gas needed as a permanent inventory to maintain adequate underground storage reservoir pressures and deliverability rates throughout the withdrawal season. All native gas is included in the base gas volume.

British Thermal Unit (Btu): The heat required to raise the temperature of one pound of water by one degree Fahrenheit at or near 39.2 degrees Fahrenheit.

City-gate: A point or measuring station at which a gas distribution company receives gas from a pipeline company or transmission system.

Commercial Consumption: Gas used by nonmanufacturing establishments or agencies primarily engaged in the sale of goods or services such as hotels, restaurants, wholesale and retail stores and other service enterprises; and gas used by local, State and Federal agencies engaged in nonmanufacturing activities.

Depletion: The loss in service value incurred in connection with the exhaustion of the natural gas reserves in the course of service.

Depleted Storage Field: A sub-surface natural geological reservoir, usually a depleted oil or gas field, used for storing natural gas.

Depreciation: The loss in service value not restored by current maintenance, incurred in connection with the consumption or respective retirement of a gas plant in the course of service from causes that are known to be in current operation and against which the utility is not protected by insurance; for example, wear and tear, decay, obsolescence, changes in demand and requirements of public authorities, and the exhaustion of natural resources.

Dry Natural Gas Production: Marketed production less extraction loss.

Electric Utility: An enterprise that is engaged in the generation, transmission, or distribution of electric energy primarily for use by the public and that is the major power supplier within a designated service area. Electric utilities include investor-owned, publicly-owned, cooperatively-owned, and government-owned (municipals, Federal agencies, State projects, and public power districts) systems.

Electric Utility Consumption: Gas used as fuel in electric utility plants.

Exports: Natural gas deliveries out of the continental United States and Alaska to foreign countries.

Extraction Loss: The reduction in volume of natural gas resulting from the removal of natural gas liquid constituents at natural gas processing plants.

Flared: The volume of gas burned in flares on the base site or at gas processing plants.

Gas Condensate Well: A gas well that produces from a gas reservoir containing considerable quantities of liquid hydrocarbons in the pentane and heavier range generally described as "condensate."

Glossary

Gas Well: A well completed for the production of natural gas from one or more gas zones or reservoirs

Gross Withdrawals: Full well stream volume, including all natural gas plant liquid and nonhydrocarbon gases, but excluding lease condensate. Also includes amounts delivered as royalty payments or consumed in field operations.

Heating Value: The average number of British thermal units per cubic foot of natural gas as determined from tests of fuel samples.

Imports: Natural gas received in the Continental United States (including Alaska) from a foreign country.

Independent Producers: Any person who is engaged in the production or gathering of natural gas and who sells natural gas in interstate commerce for resale but who is not engaged in the transportation of natural gas (other than gathering) by pipeline in interstate commerce.

Industrial Consumption: Natural gas used for heat, power, or chemical feedstock by manufacturing establishments or those engaged in mining or other mineral extraction as well as consumers in agriculture, forestry, and fisheries. Also included in industrial consumption are natural gas volumes used in the generation of electricity by other than regulated electric utilities.

Interstate Companies: Natural gas pipeline companies subject to FERC jurisdiction.

Intransit Deliveries: Redeliveries to a foreign country of foreign gas received for transportation across U.S. territory and deliveries of U.S. gas to a foreign country for transportation across its territory and redelivery to the United States.

Intransit Receipts: Receipts of foreign gas for transportation across U.S. territory and redelivery to a foreign country and redeliveries to the United States of U.S. gas transported across foreign territory.

Intrastate Companies: Companies not subject to FERC jurisdiction.

Lease and Plant Fuel: Natural gas used in well, field, lease operations and as fuel in natural gas processing plants.

Liquefied Natural Gas (LNG): Natural gas that has been liquefied by reducing its temperature to minus 260 degrees Fahrenheit at atmospheric pressure.

Marketed Production: Gross withdrawals less gas used for repressuring, quantities vented and flared, and nonhydrocarbon gases removed in treating or processing operations. Includes all quantities of gas used in field and processing operations. See Explanatory Note 1 for discussion of coverage of data concerning nonhydrocarbon gases removed.

Native Gas: Gas in place at the time that a reservoir was converted to use as an underground storage reservoir as in contrast to injected gas volumes.

Natural Gas: A mixture of hydrocarbon compounds and small quantities of various nonhydrocarbons existing in the gaseous phase or solution with oil in natural underground reservoirs at reservoir conditions.

Nonhydrocarbon Gases: Typical nonhydrocarbon gases that may be present in reservoir natural gas are carbon dioxide, helium, hydrogen sulfide, and nitrogen.

Oil Well (Casinghead) Gas: Associated and dissolved gas produced along with crude oil from oil completions.

Onsystem Sales: Sales to customers where the delivery point is a point on, or directly interconnected with, a transportation, storage, and/or distribution system operated by the reporting company.

Pipeline Fuel: Gas consumed in the operation of pipelines, primarily in compressors.

Repressuring: The injection of gas into oil or gas formations to effect greater ultimate recovery.

Residential Consumption: Gas used in private dwellings, including apartments, for heating, cooking, water heating, and other household uses.

Salt Cavern Storage Field: A storage facility that is a cavern hollowed out in either a salt "bed" or "dome" formation.

Storage Additions: The volume of gas injected or otherwise added to underground natural gas or liquefied natural gas storage during the applicable reporting period.

Storage Withdrawals: Total volume of gas withdrawn from underground storage or liquefied natural gas storage during the applicable reporting period.

Supplemental Gaseous Fuels Supplies: Synthetic natural gas, propane-air, refinery gas, biomass gas, air injected for stabilization of heating content, and manufactured gas commingled and distributed with natural gas.

Synthetic Natural Gas (SNG): A manufactured product chemically similar in most respects to natural gas, that results from the conversion or reforming of petroleum hydrocarbons and may easily be substituted for or interchanged with pipeline quality natural gas.

Therm: One-hundred thousand British thermal units.

Underground Gas Storage Reservoir Capacity: Interstate company reservoir capacities are those certified by FERC. Independent producer and intrastate

company reservoir capacities are reported as developed capacity.

Vented Gas: Gas released into the air on the base site or at processing plants.

Wellhead Price: Represents the wellhead sales price, including charges for natural gas plant liquids subsequently removed from the gas, gathering and compression charges, and State production, severance, and/or similar charges.

Working (Top Storage) Gas: The volume of gas in an underground storage reservoir above the designed level of the base. It may or may not be completely withdrawn during any particular withdrawal season. Conditions permitting, the total working capacity could be used more than once during any season.